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Oil, Paint and Drug Reporter

AUG 15 1949

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Drug Export Controls Lifted for Most Items

The Department of Commerce announced last Friday the ending of export controls for most items in the field of drugs and medicinal chemicals. Effective on that date the only drug products for which an export license will be required are the following:—

Census Schedule B Number
813583—Bismuth oxides, nitrates and subnitrates.
813588—Quinidine alkaloids and derivatives.
813593—Radium salts and compounds, radon and radioactive isotopes.
813593—Inorganic medicinal chemicals.
813595—Organic medicinal chemicals.

T. W. Delehanty, chief of the consumers merchandise branch of the department, stated that in connection with schedule B numbers 813593 and 813595, licenses are required within these classifications only for those medicinal chemicals for which export controls on other chemical grades are indicated on the positive list. However, the number of such chemicals is comparatively small and the trade burden should be relatively much less than formerly, he added.

Incidentally, he said, the GLV limit applicable to each medicinal chemical for which a license is required is the value stated elsewhere on the positive list for the same chemical. Furthermore, a single GLV shipment may include two or more chemicals up to GLV limit.

In the past, single export applications

—*Continued on page 56*

Monopoly Probe Group To Investigate 'Bigness'

Representative Emmanuel Cellar of New York, chairman of a house judiciary subcommittee investigating monopoly powers, declared on August 11 that his group will conduct a thorough investigation of "industrial bigness as and of itself."

He added that the subcommittee will resume its monopoly hearings in October and that it hopes after those hearings to offer legislation at the 1950 session of Congress to strengthen anti-trust laws.

Mr. Celler said the investigators will also include labor unions that "control production as a result of conspiracies." He indicated that this phase of the probe was included at the insistence of some of the members of the subcommittee.

There seems to be some disposition, he said, to treat "just plain bigness" in industrial concerns as a "sacred cow." The subcommittee's investigation, he added, will delve into whether concentration of power of a few companies in one industry should bring forth some system of treating them as public utilities.

Freight Rate Boost Authorized by ICC

The Interstate Commerce Commission announced on August 11 another general increase of about 4 percent in railroad freight rates throughout the country. In this manner the commission finally disposed of a petition for rate increases filed by the carriers last October.

Originally, the roads had asked for a boost of 13 percent. At the beginning of the year, they got a temporary increase of about 4 percent in the west and 6 percent in the east and south while the matter was being investigated by ICC. Last week's action raises freight rates since the first of the year 10 percent in the east and south and between those sections and 8 to 9 percent in western sections.

The carriers have been granted a series of increases since the war on the basis of rising costs. Rates are now 52 percent over those in force on June 30, 1946.

Chemicals Use in Food Probe Asked in House

A resolution which would create a committee to conduct an investigation into the use of chemicals, insecticides and other pesticides in and with respect to food products was introduced in the house last week and referred to the rules committee.

The resolution, introduced by Representative A. J. Sabath, of Illinois, closely parallels the one recently introduced by F. B. Keefe, of Wisconsin.

No hearings have been scheduled as yet on either measure and, although there is much pressure behind both, it appears unlikely that any action will be taken at this session of Congress.

Crosser Bill Passed By Senate Committee

The senate commerce committee on August 10 voted approval of the Crosser bill (H.R. 160) to amend the food, drug and cosmetics act so as to charge importers with costs incurred by the Food and Drug Administration in supervising relabeling, reprocessing or other operations on imported articles. The bill has already been passed by the house.

Price Trend Recoups Its Loss

The drug markets continued weak because of slack demands, but the other markets in the chemicals, oils, and drugs group were stimulated by more injections of small doses of business last week, and they responded pricewise to a degree which added 0.5 point to the overall index. That wiped out the previous week's loss and put the figure at its highest point in nine weeks.

Again the tonnage nonferrous metals and fats and oils were the price-boosting influences. Lead was upped again, and its oxides and pigments followed suit. Leaded zinc oxides were moved up again on the strength of the heavier metal. Quicksilver was on the downside, mainly because of the existence of some extra tonnage. Edible and drying vegetable oils were advanced again—there was no further change in linseed. Grease oil and fish oil also were upped; but, fishmeal, fishscrap, and fishliver oils and concentrates were cheaper. Four fatty acids were dearer. Offerings in all lines were light.

Dried blood and dried skim-milk were advanced on bigger buying interest. Egg yolk was pushed up by inadequacy of supply; egg white was reduced because plentiful. There were twenty-four cuts and no boosts in botanical drugs. Spices were heavier on the upside, led by cassias; pepper was inactive. Aromatic oils had a small upside lean; menthol was downed again by lack of interest.

Inorganic chemicals were quiet, although an increased number of small-lot, rush orders was reported in various lines. Chlorine continues almost unique in heavy demand. Nobody knows what to do with the side-produced caustic soda. A practicable method of making chlorine without making caustic would bring a billion. Price views in organics looked downward, cinchophens, synthetic ethyl ether, hexyleneglycol, and para-aminosalicylic acid being reduced.

Agricultural demands are seasonally petering. Textile demand continues dormant. Battery makers are asking for more sal ammoniac. Potassium carbonate is getting more interest in the television tube field; ditto for caustic in connection with soaps.

Taking everything by and large, business is at least appreciably better.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Aug. 12, 1949	Aug. 5, 1949	Aug. 13 1948
128.7	**128.2**	**144.6**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	135.3	107.3
February	140.4	147.2	151.9	135.4	110.3
March	137.6	146.2	154.9	135.2	111.9
April	133.6	146.2	152.3	134.9	115.5
May	131.2	146.7	146.1	135.1	118.2
June	128.7	147.3	143.9	135.4	121.9
July	128.1	145.9	142.5	137.7	125.5

Drug Industry Amendment Adopted By Van Zandt Bill Subcommittee

The drug and medicinal chemicals industry last week won an important concession in its fight for modification of the Van Zandt bill (H.R. 562) which would require that all food, drugs, and cosmetics destined for export shall meet the purity and labeling requirements of domestic law.

The concession came in the form of an amendment to the bill suggested by C. W. Crawford, Deputy Commissioner of Food and Drugs, which would permit exemption of exported food, drugs or cosmetics which are to "be processed, repacked, labeled or used in preparing food, drugs or cosmetics" in the country of destination.

The amendment was presented at a hearing before the senate subcommittee on interstate and foreign commerce held on August 8. On August 10 James G. Flanagan, secretary of the legislative committee of the American Drug Manufacturers Association, wrote to Senator Edwin C. Johnson of Colorado, chairman of the subcommittee, giving ADMA acceptance to the proposed amendment.

At the August 5 hearing, principal witnesses were representatives of the food industry, the drug industry having given its views on July 25 (*OPD* August 1). Spokesmen for the Grocery Manufacturers of America, the National Canners Association, and the California Dried Fruit Export Association completely opposed the proposed bill.

Grocery Makers Testify

Charles Wesley Dunn, speaking for grocery group, offered a proposed change in the wording of the bill which would permit export of any food or drug fit for human consumption and not injurious to health "if it is prepared and labeled in the form of manner required by official action and local custom and useage" of the country of destination.

Claims of administration support for his proposed change were immediately contested by Mr. Johnson, who produced a letter from Mr. Crawford opposing the Dunn proposal.

Mr. Crawford went on to say that since the July 25 hearing he had had conversation with Mr. Flanagan and that "I understand his primary concern arises from labeling and packaging requirements applicable to exported drugs and chemicals intended for repacking, processing, labeling or use in preparing other drugs.

"Exemptions of this kind are now provided, primarily for domestic commerce, by regulations authorized in sections 503(a), 502(f) and 507(d). I see no reason why similar authorization for exemptions should not be provided specifi-

—*Continued on page 56*

Copper Tax Reinstatement Voted Over Industry Protest

A legislative rider to reinstate a 2-cents-per-pound copper tariff duty was voted by the senate finance committee on August 11, after several weeks of hearings on the matter. By a 7-6 vote, the committee approved the provision as an amendment to a house-approved bill continuing until next June 30 suspension of the duty on certain scrap metal imports.

The senate group's action came two days after it had been warned that reimposition of a copper tariff would cause a serious shortage of copper supplies for domestic consumers.

In a letter to the committee, C. Donald Dallas, chairman of the board of Revere Copper & Brass, Inc., said domestic consumption of copper will soon be running 30,000 to 40,000 tons a month above domestic production and that because of this expected deficit in home supply reimposition of the copper import tax would "precipitate a serious situation for consumers."

Mr. Dallas estimated that by September domestic consumption of refined copper in industry will be running close to 100,000 tons a month. In addition, he said, government stockpiling requirements will be at least 10,000 tons a month. As against this, it was added, domestic production from all sources has been reduced to an indicated September level of only 62,000 tons.

The Revere chairman said that it would be wrong to reimpose the duty simply on the basis of a ninety-day postwar readjustment, during which industry reduced inventories and sales of copper were abnormally low.

Korea Gets ECA Funds For Fertilizer Purchase

The first purchase of fertilizer by the Republic of Korea with Economic Cooperation Administration funds has been approved by ECA, it was announced on August 10.

ECA authorized the purchase, at an estimated cost of $1,875,000, of fertilizer containing about 12,000 metric tons of potash. The authorization provides for procurement by the Bureau of Federal Supply and states that it can be obtained in any one of four specified areas where potash is available. The areas are:—France, the Soviet Zone of Germany, Bizone Germany and Spain.

Korea previously has purchased fertilizer with United States aid under the Department of the Army's procurement program. ECA took over administration of the Korea program from the army last January.

Soap Would Be 'Cosmetic' Under New Bill's Terms

Soap would be classified as a cosmetic and placed under the regulations of the Federal food, drug and cosmetic act under the terms of a bill (S. 2393) introduced in the senate by Guy M. Gillette, of Iowa. Paul Hadlick, counsel for the senate agriculture subcommittee, of which Mr. Gillette is chairman, stated last week that the measure would cover soaps and synthetic detergents for household use as well as soaps for personal use.

Antibiotics Rules Amended

The Food and Drug Administration has amended its regulations for tests and methods of assay of antibiotic drugs. The amended regulations, dealing specifically with drugs containing penicillin or streptomycin, were published in the *Federal Register* of August 6.

Fertilizer Program Stymied By ECA Bill Disagreement

The army's overseas and domestic fertilizer program remained stymied last week by the disagreement in the senate over the appropriation bill for the Economic Cooperation Administration.

The fertilizer program, attached as an amendment to the ECA funds bill, was unanimously adopted by the senate on August 6, but the army will be unable to act on it until the principal controversial issues of the major measure are worked out in Congress and the bill signed by the President.

The fertilizer amendment to the ECA bill was inserted at the request of the army and the house fertilizer subcommittee. It authorized the army to continue operation of its three anhydrous ammonia plants—at Morgentown, Ohio River and San Jacinto—to meet its overseas fertilizer requirements. The amendment also repealed a provision of existing law directing that 10 percent of army's anhydrous ammonia production be made available to domestic fertilizer manufacturers.

Farm Subsidy Compromise Bill Passes Senate Group

A senate agriculture subcommittee last Thursday reported out a compromise farm bill which would support prices on basic farm crops at a range of 75 to 90 percent of parity. Among the listed crops are cotton, corn, peanuts and tung nuts, but not linseed. The bill was to be presented to the full committee on Saturday.

The measure is a compromise between the Aiken bill, which would support prices at a range of from 60 to 90 percent of parity, and a house approved bill which calls for a full 90 percent support.

Mint Oil Production Forecast Lower in '49

Total production of mint oil in 1949 is expected to be well below the record volume produced in 1948, the bureau of agricultural economics of the Department of Agriculture reported on August 10.

It is estimated that 1949 production from all mint will total 1,784,000 pounds of oil, 21 percent below the record crop of 2,261,000 pounds produced in 1948. However, the production forecast for this year is 27 percent above the 1938-47 average output of 1,410,000 pounds.

Although the acreage of mint available for harvest this year is about equal to the large acreage harvested in 1948, yield prospects are poorer than they were a year ago. According to the bureau, unfavorable crop prospects in Michigan and Indiana, where late spring frosts had an adverse effect on stands and yield accounts for the bulk of reduction from last year's production level. Although crop prospects in Washington and Oregon are not as favorable as they were a year ago, estimated production for 1949 in these states is only 3 percent less than 1948.

The acreage of spearmint available for harvest this year is estimated at 44,700 acres, 3,000 more than the acreage harvested in 1948, and 6,000 greater than the 1938-47 average acreage. Production is estimated at 1,386,000 pounds of oil, only 11 percent less than the 1,551,000 pounds produced in 1948, and 19 percent greater than the 1938-47 average of 1,160,000 pounds. The increased acreage has partially offset the reduced yield prospects which are anticipated in all producing states.

Spearmint acreage has declined from 19,700 acres harvested in 1948 to 16,400 acres available for harvest this year, but 1949 acreage is still well above the 1938-47 average of 7,660 harvested acres. Yield prospects are particularly poor on spearmint this year both in Michigan and Indiana, with late spring frosts the important factor. Total 1949 production of spearmint is estimated at 398,000 pounds of oil, 44 percent less than the 710,000 pounds produced in 1948 but 59 percent above the 1938-47 average of 250,000 pounds.

Nonferrous Metals Quota Restrictions Lifted by OIT

Immediate removal of quantitative export quota restrictions from scrap copper and removal of export quotas from refined copper, lead and lead solder, domestic zinc and babbit metal for the fourth quarter of 1949 was announced on August 10 by the Office of International Trade.

License applications for scrap copper under the new "open end" provisions may be filed at any time, while license applications covering fourth quarter shipments of the other nonferrous metals from which export quotas have been removed will be accepted by OIT beginning September 1.

Substantial improvement in domestic supplies of most nonferrous metals was given by OIT as the reason for removal of export quota restrictions. Exporters must continue, however, to secure validated licenses covering shipments of the commodities and must also observe other applicable export regulations.

Monsanto Making New Type Sodium Acid Pyrophosphate

Monsanto Chemical Company, St. Louis, Mo., has commenced commercial production of a new type sodium acid pyrophosphate, specially developed as an acid leavening agent for doughnut flour mixes. The new material is claimed to have improved storage life in the mixed flour and a controlled rate of reaction throughout the baking period.

Desoxycorticosterone Acetate Available From Schieffelin

Schieffelin & Co., pharmaceutical manufacturer, New York, has commenced marketing desoxycorticosterone acetate as an addition to its line of parenteral medications. The product is available as an oil solution containing 5 mg. per cc., and is supplied in 1 cc. ampuls, boxes of twelve, and in 10 cc. vials.

Menthol Glucuronide Now Offered by Sigma Chemical

The Sigma Chemical Company, St. Louis, Mo., has announced the availability of menthol glucuronide. According to the company, a new use has recently been published for the product, consisting of the preparation of glucuronidase by the action of certain bacteria on a menthol glucuronide substrate.

Alcohol Denaturants Regulation Broadened

The Bureau of Internal Revenue, on August 11, amended its regulations for industrial alcohol to permit manufacturers of completely denatured alcohol more latitude in the selection of denaturants. Formula number 15 now reads as follows:—

"To every 100 gallons of ethyl alcohol of not more than 160 degrees proof add 3.5 gallons of ST-115, or a compound similar thereto; 0.25 gallon of methylisobutyl ketone; 1 gallon of CS-501; 1 gallon of kerosene."

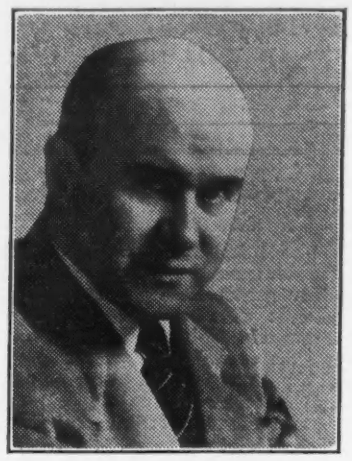
Benzenesulphonyl Chloride Prices Cut by Wyandotte

Wyandotte Chemicals Corporation, Wyandotte, Mich., has reduced prices on its technical grade of benzenesulphonyl chloride. The reductions range from 20 percent to 25 percent, depending on quantity. The technical grade of the materials contains about 6 percent or 8 percent of diphenyl sulphone, according to the company, and a refined grade of 99 percent purity can also be furnished when required.

Betachloropropionitrile Offered by Amer. Cyanamid

The new product development department of the American Cyanamid Company, New York, is currently offering betachloropropionitrile in trial lot quantities. The product is said to be slightly soluble in water, very soluble in most organic solvents and to have a boiling point of 174 degrees to 176 degrees Centigrade at 752 mm. Hg. A descriptive bulletin and research samples may be obtained from the department at 30 Rockefeller plaza, New York.

Heads D.&O. Division



Henri Robert has been appointed director of the newly-formed DeLaire Division of Dodge & Olcott, Inc., essential oils and aromatic chemicals, New York. The new division, formed in conjunction with Fabriques DeLaire, Paris, will concern itself with the introduction of new perfume styles in the American toilet goods industry. Mr. Robert has also been named director of the DeLaire Research Laboratories, Paris, which will supplement the activities of the division's laboratories in New York.

Natural Caffeine Prices Hold

So far as it could be learned at press-time, caffeine alkaloid of the natural type had not been reduced in price to conform with the significantly lower price schedules on the synthetic material established the previous week. Accordingly, it appeared that caffeine made from tea materials was still quoted at $5 per pound in 100-pound lots.

ECA Announces Additional Procurement Authorizations

Additional procurement authorizations announced by the Economic Procurement Administration during the period August 4 to August 11 included the following items of interest to the drug, chemical and related industries:—

To Austria—$100,000 for zinc, zinc base alloys and zinc products, $19,000 for nonmetallic minerals, except petroleum, and products, $500,000 for copper and copper products, $400,000 for chemicals and chemical preparations except fertilizers, fertilizer materials and synthetic rubber, $16,000 for miscellaneous industrial nonferrous metals and their products, except beryllium, thorium and their products, $10,000 for nonferrous ores and concentrates except beryllium ore or monazite sand, and a decrease of $44,000 in a previous allocation for nonmetallic minerals, except petroleum, all from the United States and possessions; $5,000 for nonmetallic minerals and products, except petroleum, and decreases of $10,000 from previous allocations for the same products, from Canada; and $250,000 for copper and copper products from Latin America.

To Belgium-Luxembourg — $1,600,000 chemicals and chemical preparations other than fertilizers, fertilizer materials and synthetic rubber, $1,300,000 for peanut oil, $60,000 for naval stores, $25,000 for nickel, nickel base alloys and nickel products, $800,000 for tallow and other animal fats and oils, $950,000 for soybean oil, and $250,000 for soybeans, all from the United States and possessions; $1,271,000 for nonferrous ores and concentrates, except beryllium ore and monazite sand from Canada, and $538,000 for similar products from Latin America.

To Bizone Germany—$950,000 for cop-

—*Continued on page 62*

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Aluminum sulphate, Mexico D.F., Mexico (EF-9—agency).
Caustic soda, Sao Luiz, Brazil (EF-10).
Cellulose, Mexico D.F., Mexico (EF-9—agency).
Chemicals, Tokyo, Japan (EF-6).
Chemical products, Rio de Janeiro, Brazil (EF-1—agency).
Cylinder oils, Hamburg, Germany (EF-5).
Dyes, Mexico D.F., Mexico (EF-9—agency).
Fats and oils, Quito, Ecuador (EF-2).
Fertilizers, Tokyo, Japan (EF-6).
Insecticides, concentrated, Bombay, India (EF-3).
Minerals, Tokyo, Japan (EF-6).
Oil products, Tokyo, Japan (EF-6).
Paints, Bogta, Colombia (EF-7—agency).
Paper chemicals, Mexico D. F., Mexico (EF-9—agency).
Pharmaceuticals, Rio de Janeiro, Brazil (EF-1—agency).
Pigments, Mexico D.F., Mexico (EF-9—agency).
Rosin, gum, Oruro, Bolivia (EF-4); Sao Luiz, Brazil (EF-10).
Rosin, gum and wood, Hamburg, Germany (EF-8—agency).
Soaps, Quito, Ecuador (EF-2).
Soda ash, Sao Luiz, Brazil (EF-10).
Turpentine, gum and wood, Hamburg, Germany (EF-8—agency).
Zinc sheets, Recife, Brazil (EF-11).

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United State Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Business firms—Reunion.
Feedstuff importers, dealers, manufacturers, and exporters—Hong Kong.
Fertilizer manufacturers and exporters—Italy.
Hospitals—Luxembourg.
Medical and toilet preparation manufacturers—British Malay.
Oils (animal, fish, and vegetable) importers, dealers, producers, refiners, and exporters—Pakistan.
Ore exporters—Argentina.
Paint and varnish manufacturers—Tunisia.
Plastic-materials manufacturers, molders, laminators, and fabricators—Norway.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Barium fluosilicate.
Dimethyldiphenyl disulphite.
Ergotamine tartrate.
Levo-Malic acid.
Meta-toluidine-6-sulphonic acid.
Nitrocarbonic acid.
Phenylurethane sulphochloride.
Sodium acid-arsenate.
Sulphydryl pentathionate.

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Chas. Pfizer & Co. Celebrates Centennial

Chas. Pfizer & Co., manufacturing chemists, Brooklyn, N. Y., is celebrating this year its 100th anniversary. The company was formed in 1849 by Charles Pfizer and Charles E. Erhart to enter the field of fine chemicals and its has grown to the status of one of the leading manufacturing chemists in the United States. In addition to its fine chemicals, the company is one of the biggest producers of antibiotics in the world.

Manufacturing facilities have expanded continuously over the years and today Pfizer has four large modern plants at Brooklyn; Groton, Conn.; Terre Haute, Ind., and Maywood, N. J.

Although there were few tests and controls in the early days, one of the fundamental concepts of the business was to establish positive methods for the control of purity, quality and potency. New concepts of purity were established as vitamins and antibiotics were developed, but the strict adherence to the basic policies by Pfizer employees, has made the "Pfizer Quality" trademark of the company a hallmark in the drug and chemical industries.

Some of the products manufactured during the company's first decade included santonin, iodine preparations, mercurials, borax, boric acid, refined camphor, and the tartars. Today, the extensive list of Pfizer chemicals includes, as well as some of the early products, antibiotics, vitamins, citrates, bismuth salts, oxalates, gluconates and others.

Pioneer in Citric Fermentation

One of the early products sold by the company was citric acid, prepared from citrate of lime imported from Italy. Realizing that this increasingly popular food acid, with its wide potential applications, was dependent on a foreign monopoly, Pfizer set up a special research laboratory in 1914 to investigate the domestic production possibilities. This was one of the first ventures, by any fine chemical company, into the field of vegetative fermentation. Its success opened a new and wider field for the production of fine chemicals by fermentation. While this original fermentation research proceeded slowly, Pfizer was producing citric acid by vegetative fermentation of sugar by 1919 in a pilot plant, and in 1923 opened a large commercial plant.

The 1927 decree, forbidding the export of citrate of lime from Italy made it clear that Pfizer's process was both timely and worthwhile. Increased production facilities assured a constant domestic supply, and specialized production techniques brought numerous price reductions to users.

During the first world war, Pfizer made many important contributions at a time when America was dependent on her own sources of chemicals and drugs. Pfizer production during these war years resulted in the fulfillment of eighty-five government contracts. Following the war, Pfizer enlarged its research activities on fermentation and also developed a program directed toward the production of chemicals by organic synthesis. In 1929, gluconic acid was made available as a fermentation product at a price which warranted a more widespread application, and since that time Pfizer has steadily broadened the use of fermentation methods to produce fine chemicals.

The early work during the twenties on vitamins led to the development by Pfizer of a commercially feasible method of organic synthesis which was applied successfully in 1936 to the production of ascorbic acid. Riboflavin and other vitamins followed, making these dietary essentials available for pharmaceutical and food use on a wide scale. Currently, Pfizer is working on the recently isolated vitamin B_{12}, which has been found to be of particular use in cases of pernicious anemia, nutritional macrocytic anemia and tropical sprue.

Another recently announced Pfizer product is bi-con APF-6, an animal protein factor feed supplement. This product is supplied to feed manufacturers who incorporate it in animal and poultry feeds, replacing in part the meat and fish scraps now being used. Bi-con APF-6 is vitamin B_{12} plus other necessary growth factors.

Early in World War II, when the Allies

—Continued on page 61

SAACI Golfs Tomorrow

The Salesmen's Association of the American Chemical Industry will hold a golf outing tomorrow at the Baltusrol Golf Club, Springfield, N. J. Luncheon will be served from 11:30 a.m. and dinner will be at 7 p.m. Warren F. Schumacher is chairman of the committee for the event.

Named Squibb Secretary

George S. Squibb, great-grandson of the founder of E. R. Squibb & Sons, drug manufacturer, New York, has been elected secretary of the company. He has been associated with the company since 1937, and has been responsible for managing its distribution department and directing the management of its fourteen branch offices.

Koppers Names Macdonald To Plastics Sales Post

Koppers Company, Pittsburgh, has appointed Roger Macdonald plastics service representative for the New England and eastern sales district of its chemical division. Mr. Macdonald, who will make his headquarters in the division's New York office, was formerly chemical engineer with Plastic Manufacturers, Inc. He had previously been associated with the testing department of the W. A. Sheaffer Pen Company, the Carter Ink Company, the Triplex Glass Company, the United States Bureau of Standards and the United States Rubber Company.

Soap Makers, Commerce Dept. Deny Fats, Oils Price Drop Responsibility

Secretary of Commerce Charles Sawyer last week vigorously denied that his policies on exports of fats and oils were responsible for a sharp break in their prices during the last half of 1948 and early 1949. He told a senate agriculture subcommittee that actual exports of fats and oils during the entire period of July, 1948, through March, 1949, were actually less than were allocated and licensed for exports.

Two days later Charles Luckman, president of Lever Brothers Company, told the subcommittee that the soap industry was not responsible for lowered fats and oil prices and said that such reports "amused me, or rather pained me, because, having heavy inventories of fats and oils, we took very heavy losses."

Senator Guy M. Gillette of Iowa told Mr. Sawyer that some producer groups and others had testified before the subcommitttee that the Commerce department's export allocation policies were to blame for the drop in prices.

"During the third quarter of 1948, we allocated approximately 192,000,000 pounds of fats and oils, while actual exports were only 130,000,000 pounds," Mr. Sawyer responded. "In the fourth quarter, allocations totaled 434,000,000 pounds and only 321,000,000 pounds were shipped. In the first quarter of 1949, there were 523,000,000 pounds allocated but only 488,000,000 were shipped."

In denying that export controls had caused the drop in prices, the Secretary of Commerce said that scarcity of dollars in foreign countries "had much to do with it," as did the inroads being made in the industry by synthetic detergents and chemical bread emulsifiers.

In answer to Senator Young of North Dakota, Mr. Sawyer declared that pork is still under export control and added that these controls would be dropped if and when Secretary of Agriculture Brannan certifies that there are ample pork supplies.

Mr. Young wanted to know why such certification had not been received in view of the fact that the Secretary of Agriculture had told the subcommittee that there will be a big surplus of pork. Mr. Sawyer replied that he could not speak for Mr. Brennan.

Luckman Speaks for Soap Industry

Testifying before the subcommittee on August 11, Mr. Luckman said that "there seems to be some feeling that we in the soap business are responsible for the drop in fats and oils prices. That amused me, or rather pained me, because, having heavy inventories of fats and oils we took very heavy losses."

He pointed out that wholesale soap prices are lowered when materials used in their manufacture go down, and added that Lever Brothers would not have sustained "a very substantial inventory loss" had it been able to foresee the price drop.

In his testimony, Mr. Luckman denied the "many unfounded accusations" that his company controls the fats and oils market, and pointed out that Lever Brothers uses only about 6 percent of the do-

—Continued on page 52

Du Pont to Consolidate Plastics, Ammonia Depts.

E. I. du Pont de Nemours & Co., Wilmington, Del., is planning to combine its plastics and ammonia departments into a single industrial department on October 1, and has named Dr. Emil D. Ries to head

Dr. Emil D. Ries

the new group. Dr. Ries is currently general manager of the ammonia department.

The merger of the departments is being planned because the activities of the two have become more and more interrelated and interdependent, company officials

—Continued on page 56

Washington Talks It Over

By Ralph L. Cherry

Although the Department of Commerce took action last Friday to remove export controls from most items in the field of drugs and medicinal chemicals, the fate of industrial chemicals controls is still undecided. Indications are that the list of industrial chemical items under export control will be greatly expanded for security reasons. This probably will take the form of a reduction in the number of general classifications of chemicals and a vast increase in the number of specific items.

The need for such a move has been obvious for a long time. The majority of the chemicals listed under general classifications are used for manufacture of products that are remote from use in war. However, many of them can be used in making materials that the United States does not want to see made because of security reasons.

Foot-Mouth Disease Checked

The United States and Mexican efforts to eradicate foot-and-mouth disease in the Latin country have progressed to a point that first vaccination of all susceptible animals in the quarantine zone of Mexico has been completed. To reach this milestone in the program, the internation commission vaccinated 13,071,533 cattle, sheep, goats, and swine in the quarantine zone, which comprises more than 200,000 square miles.

A second round of vaccination is now underway and has covered more than 50 percent of the zone in recent months. A third round is to start four months behind the second, as experience and testing have shown that the vaccine gives immunity for about that time. Although a number of animals vaccinated only one time have come down with the disease, so far there has not been a single outbreak among animals vaccinated a second and third time. This is considered a hopeful sign that the disease eventually will be wiped out.

Hog Cholera Warning

While on the topic of animal disease control work, the Department of Agriculture is urging Cornbelt farmers to continue the immunization of swine against cholera, despite recent losses of some vaccinated hogs. The department is currently investigating heavy losses of hogs in Iowa and nearby States.

Postmortem examinations, particularly of unvaccinated hogs, show the presence of hog cholera, and laboratory investigations of the virus and serums used on herds suffering losses are underway. There is no evidence thus far that these materials contained extraneous viruses or bacteria which may have caused other diseases.

Breaks in vaccinated animals have occurred many times in the past, although it is extremely difficult to trace the cause. Nevertheless, the department feels death losses are more likely to occur in greater numbers where the pig crop is allowed to go untreated.

Airconditioned Offices Wanted

Many government officials are grumbling over the lack of air-conditioning in public buildings in Washington. They are not incensed, for the most part, because of the discomfort they suffer in stifling rooms, but rather because of the extra burden of work it entails for them. They actually have to work longer hours in the sweltering Summer than in any other season of the year.

The government has a heat-layoff system for employees that is based on the weather. When the temperature and the humidity reach certain points, all offices in nonconditioned buildings are automatically closed at 2 o'clock. This has happened virtually every day for the past two weeks.

Knowing that businessmen in Washington for some pet project, as well as members of the press, will blast a department that does not give them service when wanted, many conscientious agency officials remain at their desks to meet such contingencies. On top of that, they often remain at work far into the night to handle necessary work that ordinarily would be taken care of by underlings.

Only Treasury Department architects could estimate whether the cost of airconditioning government buildings would be an economy move. But many administrators feel it would. They point not only to the two or three daily manhours of work that would be saved by employees staying on the job, but also to the increased efficiency that would result from such a move. After all, they argue, in a

—Continued on page 38

Fats, Oils '49-'50 Supply Seen Even With This Year

Fats and oils supply in 1949-50 will be about the same as in 1948-49 and prices will probably continue to be low unless consumer income and industrial activity reverse their downward trend, the bureau of agricultural economics of the Department of Agriculture reported on August 10.

With a lard production of between 2,800,000,000 and 2,900,000,000 pounds expected for 1949-50, as compared with 2,500,000,000 last year, the bureau forecasts another record or near record year of fats and oils supply. Exports will probably remain high due to operations of the Economic Cooperation Administration. as well as in grease, was attributed to an expected pig crop this year of about 96,000,000, which would be 13 percent larger than 1948.

The bureau's report stated that exports of fats, oils and oil equivalent of oilseeds amounted to 1,157,000 pounds in the first five months of this year. This was about two and one-half times the total for the comparable period last year. Leading exports in January-May consisted of lard, soybeans and soybean oil, inedible tallow and greases and cottonseed oil.

Total imports, including oilseeds in terms of oil, for the first five months, amounted to 380,000,000 pounds, compared with 584,000,000 pounds in January-May of 1948.

The bureau estimated flaxseed production in California, Texas and Arizona this year at 6,300,000 bushels, compared with 7,200,000 bushels last year.

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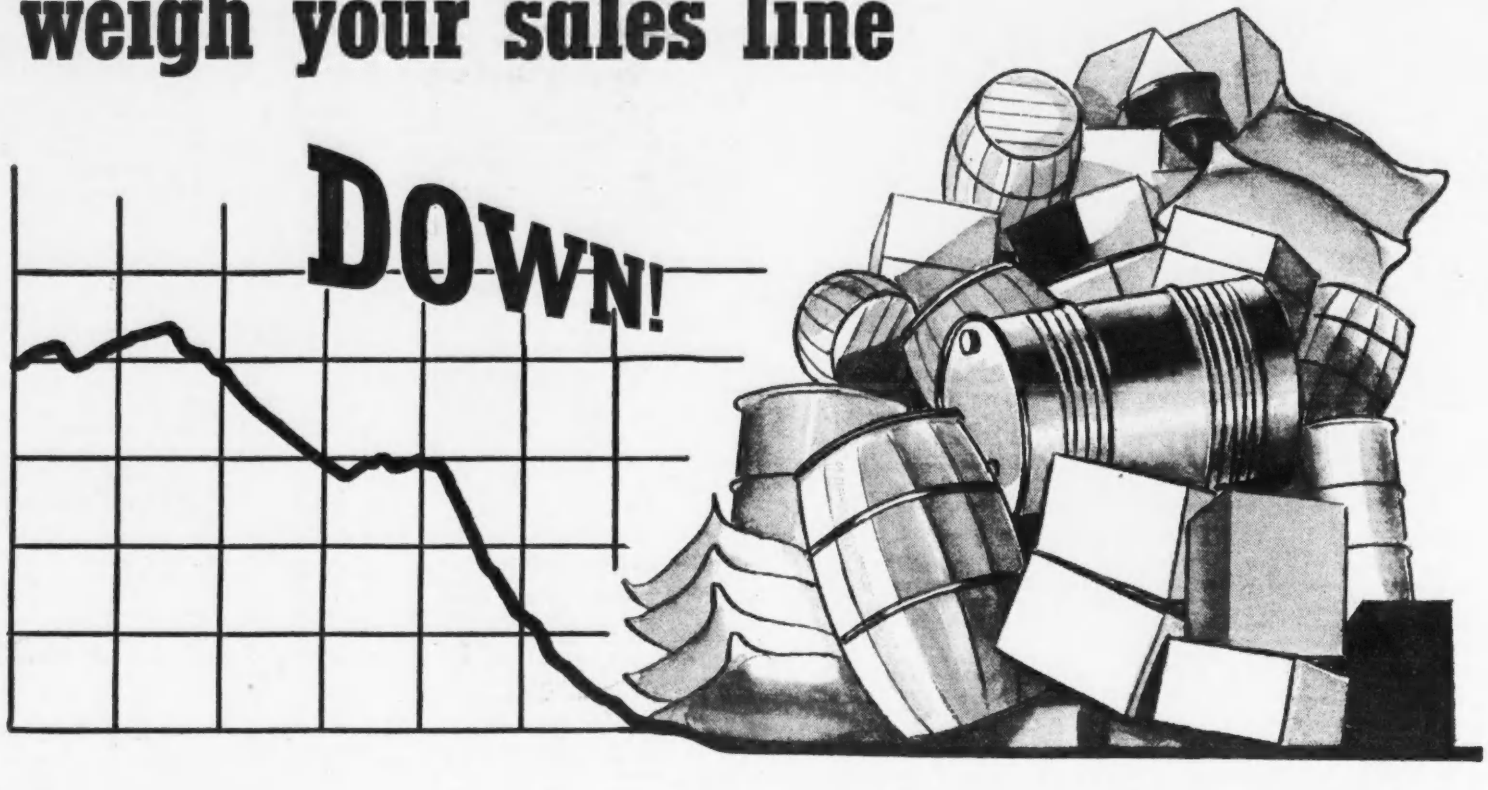

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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, September 11-16.
American Association for the Advancement of Science, New York, December 26-31.
American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall, Atlantic City, N. J., October 13-15.
American Chemical Society, Atlantic City, N. J., September 18-23.
American Gas Association, Palmer House, Morrison and Sherman hotels, Chicago, October 17-20.
American Institute of Chemical Engineers, William Penn hotel, Pittsburgh, Pa., December 4-7.
American Oil Chemists Society, Edgewater Beach hotel, Chicago, October 31-November 2.
American Petroleum Institute, Chicago, November 7-10.
American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 28-30.
American Soybean Association, Nicollet hotel, Minneapolis, Minn., September 6-8.
American Standards Association, Waldorf-Astoria hotel, New York, October 11-14.
Associated Chain Drug Stores, New Yorker hotel, New York, September 25-29.
Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, October 25.
Chemical Specialties Manufacturers Association (formerly NAIDM), Mayflower hotel, Washington, December 4-5.
Division of Food, Drug and Cosmetic Law, Section of Corporation, Banking and Mercantile Law, American Bar Association, Kiel Auditorium, St. Louis, Mo., September 7.
Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.
Electrochemical Society, LaSalle hotel, Chicago, October 12-14.
Exposition of Chemical Industries, Grand Central Palace, New York, November 28-December 3.
Federal Wholesale Druggists Association, Atlantic City, N. J., October 5-8.
Federation of Paint and Varnish Production Clubs, Chalfonte-Haddon Hall, Atlantic City, N. J., November 3-5.
Independent Natural Gas Association of New York, Baker hotel, Dallas, Tex., October 31.
Independent Petroleum Association of America, Blackstone hotel, Fort Worth, Tex., October 2-4.
International Congress of Biochemistry, Cambridge, England, August 19-25.
International Congress of Industrial Chemistry, Barcelona, Spain, October 23-30.
International Congress of Military Medicine and Pharmacy, Mexico City, Mexico, October 23-29.
International Union of Chemistry, Amsterdam, Netherlands, September 6-10.
National Association of Retail Druggists, Seventy-First Regiment Armory, New York, September 18-22.
National Butane-Propane Association, Jefferson hotel, St. Louis, Mo., September 19-21.
National Fertilizer Association, Atlanta-Biltmore hotel, Atlanta, Ga., November 14-16.
National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 31-November 2.
National Lubricating Grease Institute, Roosevelt hotel, New Orleans, La., October 3-5.
National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N. J., October 31-November 1.
National Pest Control Association, Biltmore hotel, Los Angeles, Calif., October 17-19.
National Petroleum Association, Traymore hotel, Atlantic City, September 14-16.
National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.
Navy Industrial Association, Waldorf-Astoria hotel, New York, September 28.
North American Gasoline Tax Conference, Tahoe Tavern, Lake Tahoe, Calif., September 7-10.
Oil Trades Association of New York, Waldorf-Astoria hotel, New York, October 27.
Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.
Packaging Institute, annual forum, Commodore Hotel, New York, October 24-26.
Packaging Machinery Manufacturers Institute, Edgewater Beach hotel, Chicago, October 31-November 2.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 14; annual meeting, Commodore hotel, December 7.

TGA Scientific Section To Meet on December 7

The scientific section of the Toilet Goods Association will meet at the Waldorf-Astoria hotel, New York, on December 7. A. B. Pacini, chairman of the section, is currently arranging the program and has notified members that those who wish to present papers at the meeting should notify H. D. Goulden before September 12.

Tung Growers Reelect Greer

The Tung Growers Council of America reelected Sam Greer, general manager of the Southern Tung Corporation, Lumberton, Miss., president at its recent annual meeting. Louis Chenel and Blaine Ewing were reelected vice-president and treasurer, respectively, and Tom Crawford was named national secretary, to replace Lamont Rowlands.

APhA, NARD Form Group For Contact with FDA

Points of agreement and differences in the interpretation of sections of the food, drug, and cosmetic act and regulations dealing with prescription compounding and dispensing were the chief topics of discussion in the initial meeting of the joint conference committee on Federal food, drug and cosmetic law problems with Commissioner P. B. Dunbar and other officials of the Food and Drug Administration in Washington recently.

The committee, which consists of representatives of the American Pharmaceutical Association, the National Association of Retail Druggists, the American College of Apothecaries, the American Society of Hospital Pharmacists and the National Association of Chain Drug Stores, organized at a preliminary meeting of the committee held the same day by naming Dr. Hugo H. Schaefer, representing the APhA and Nicholas S. Gesoalde, representing the NARD, as co-chairmen, with Mr. Gesoalde to act as presiding officer during the first year.

The joint committee is the outgrowth of action initiated by both the National Association of Retail Druggists and the American Pharmaceutical Association in their respective conventions and in their contacts with the Food and Drug Administration, which made it clear that some medium was needed for the interchange of information between the FDA and practicing pharmacists as to the interpretation of the law and regulations.

The hope was expressed on the part of both the government officials and the associations represented that exchange of views could be arranged prior to the promulgation of interpretations of regulations which vitally affect retail pharmacists and others in their daily practice.

At the afternoon meeting of the committee with the government officials both

—*Continued on page 54*

AICE Sets Program For Montreal Gathering

The American Institute of Chemical Engineers has completed the program for its regional meeting, to be held at the Mount Royal hotel, Montreal, Canada, on September 7 and 8. The program is as follows:—

September 7

At the first technical session in the morning the following papers will be presented:—"Recovery of Manganese from Low Grade Ores by Leaching," by Richard D. Hoak, Mellon Institute, and James Coull, University of Pittsburgh; "Evaporation of Liquids Into Turbulent Gas Streams," by D. S. Maisel and T. K. Sherwood, Massachusetts Institute of Technology; "The Effect of Air Turbulence on the Rate of Evaporation of Water," by Mr. Maisel and Mr. Sherwood; "Recent Developments in Whisky Filtration," by Donald M. Harmer, Paul J. Kolachov, LeRoy A. Smith and H. Frederick Willkie, Joseph E. Seagram & Sons, Inc.; and "Chemical Engineering in a Small Development Organization," by F. S. McCarthy, Canadian Industries, Ltd.

The second technical session in the afternoon will be featured by the presentation of the following papers: "A New Laboratory Column for the Determination of Liquid Film Absorption Coefficients and Its Application to the Problem of Absorption in the Presence of Chemical Reaction," by E. J. Stephens and G. A. Morris, Imperial Chemical Industries, Ltd.; "The Flow of Non-Newtonian Fluids," by George W. Govier and Martin D. Winning, University of Alberta; "Some Methods of Automatically Controlling Chemical Concentrations in Industrial Process Solutions," by D. M. Considine and S. D. Ross, Minneapolis-Honey-

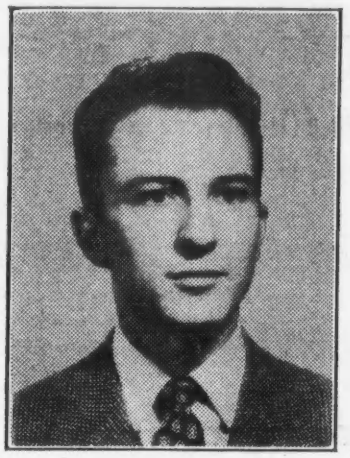
—*Continued on page 43*

ASA Appoints Miner Safety Code Chairman

The American Standards Association has appointed H. L. Miner, manager of the safety and fire prevention division of E. I. du Pont de Nemours & Co., chairman of its safety code correlating committee. Mr. Miner represents the Manufacturing Chemists Association and the National Fire Protection Association on the committee, which is in charge of the development of national safety standards of the association.

He has been associated with the du Pont organization since 1915. He was named manager of the fire protection division of the engineering department in 1916, manager of the protection division of the service department in 1919, and manager of the safety division and the fire protection division in 1926.

Wins Paul-Lewis Award



Dr. Henry A. Lardy, associate professor of biochemistry at the University of Wisconsin, has been awarded the Paul-Lewis Laboratories Award in Enzyme Chemistry for his work in "discovering the essential role of biotin in the maintenance of animal health. The award will be presented during the 116th national meeting of the American Chemical Society, scheduled to be held in Atlantic City, N. J., from September 18 to 23.

Pharmaceutical Contact Group Meets October 6-7

The combined pharmaceutical contact committee of the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association will meet at the Washington hotel, Washington, on October 6 and 7.

The meeting will mark the twenty-fifth anniversary of the committee and the afternoon of October 7 will be devoted to a general survey of the work of the group in the past and discussions of prospects for the future. On the evening of October 7 an anniversary dinner will be held in the hotel.

The entire day of October 6 and the morning of October 7 will be devoted to business sessions, at which it is planned to have representatives of the Food and Drug Administration and of the USP and NF revision committees.

Mahin Heads Research At Armour Foundation

W. E. Mahin, chairman of metals research at Armour Research Foundation of Illinois Institute of Technology, has been named director of research, to succeed Dr. Martin H. Heeren, who has become director of applied research of the sapphire division of Elgin National Watch Company. Mr. Mahin was in charge of metallurgical engineering for Westinghouse Electric Corporation before joining the foundation in 1947. He has also been in charge of metallurgical research for the Vanadium Corporation of America, and has been a metallurgist at the Inland Steel Company.

API Names Chairmen Of Two Research Groups

T. V. Moore, Standard Oil Development Company, New York, and H. G. Vesper, California Research Corporation, San Francisco, have been appointed chairmen of two American Petroleum Institute advisory committees on fundamental research.

Mr. Moore succeeded Earl G. Gaylord as head of the advisory committee on fundamental research on the occurrence and recovery of petroleum, and Mr. Vesper succeeded W. J. Sweeney as chairman of the advisory committee on fundamental research on composition and properties of petroleum.

Smith, Kline & French Labs Gets Cancer Research Grant

The National Cancer Institute has awarded a grant of $10,800 for cancer research to Smith, Kline & French Laboratories, Philadelphia. The grant will be administered by Dr. Glenn E. Ullyot, head of the organic chemistry section of the firm's research laboratories, and will be used to investigate the use of colchicine and its derivatives as cancer inhibiting compounds.

AATCC Sets Program For Annual Meeting

The American Association of Textile Chemists and Colorists has completed a preliminary program for its twenty-eighth national meeting, to be held at the Chalfonte-Haddon Hall hotel, Atlantic City, N. J., on October 13 to 15. The program is as follows:—

October 13

The morning will be devoted to registration and to the national council meeting. In the afternoon a general technical session will be held, at which the following papers will be heard:—"Current Research at Textile Research Institute Laboratories," by Dr. J. H. Dillon, Textile Research Laboratories; "Textile Education and Research," by Bertrand W. Hayward, director of the Philadelphia Textile Institute, and "Fundamental Studies of Combustion," by Dr. W. George Parks, Rhode Island State College.

The annual business meeting will follow, with Henry F. Herrmann, president of the association presiding. In the evening the Olney Award dinner will be held, with George H. Schuler, E. I. du Pont de Nemours & Co., acting as toastmaster.

October 14

In the morning there will be a meeting of the noncellulosic group, with Henry E. Millson, Calco Chemical Division, American Cyanamid company, presiding. J. Bauer, Fred Whitaker Company, will speak on "The Occurrence of Soluble Wool Substance as a Result of the Sulphuric Acid Carbonizing Process"; Dr. H. Littringhaus, General Dyestuff Corporation, will discuss the "Dyeing of Helindrones on Wool," and Dr. P. L. Meunier, E. I. du Pont de Nemours & Co., will speak on the "Dyeing of Orlon."

There will also be a session on auxiliaries and testing, with Dr. Milton Har-

—*Continued on page 43*

Materials Handling Society Plans Exposition, Contest

The Society of Industrial Packaging and Materials Handling Engineers has issued a final call for entries to be judged in its annual protective packaging competition, to be held in connection with its fourth annual industrial packaging and materials handling exposition in Detroit on October 4 to 6.

A. L. Green, chairman of the awards committee, said that all entries must be submitted prior to September 30. Awards will be made in each of five classifications, and all entries will be exhibited in a special section of the exposition. The awards will be made at the association's annual banquet on October 6.

The exposition is held in conjunction with the "short course" of the Materials Handling Institute, which will include sixteen discussion sessions, seminars and panels. Applications for attendance at the institute and exposition, as well as for submission of entries in the contest can be obtained from the society at 20 West Jackson boulevard, Chicago.

Plastics Exposition 1950 Dates Announced

The 1950 National Plastics Exposition will be held at Navy Pier, Chicago, March 28 through 31, according to an announcement by William T. Cruse, executive vice-president of the Society of the Plastic Industry. The late March dates, Mr. Cruse said, will permit the presentation of new plastics developments at a time when fabricators and buyers are planning Fall and holiday promotions.

Food Technologists Name Lawrence Exec. Secretary

The Institute of Food Technologists has appointed Col. Charles S. Lawrence executive secretary, and he will assume that position on October 1, after retiring from the army on September 30. Col. Lawrence is currently president of the quartermaster board of the army, and was formerly commanding officer of the quartermaster food and container institute.

CED Elects Folsom

Marion B. Folsom, treasurer of the Eastman Kodak Company, Rochester, N. Y., has been elected chairman of the research and police committee of the Committee for Economic Development. Mr. Folsom succeeds Philip D. Reed, chairman of the General Electric Company, who resigned because of the demands on his time of his new post as president of the International Chamber of Commerce.

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Current Market Quotations

Chemicals and Related Materials

August 12, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acenaphthene, m.p. below 92.5 C., dms., works lb. .40 - —
above 92.5 C, dms., works lb. .50 - —
Acetaldehyde, 99%, dms., c.l., works. lb. .11½- .12½
l.c.l., works lb. .12 - .13
tanks, works lb. .09½- .10½
Acetaldol (see Aldol).
Acetamide, CP, fib, dms lb. .65 - .75
tech., fib, dms lb. .38 - .43
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., frt. alld. E lb. .14½- —
tanks, frt. alld. E lb. .11½- —
Acetoacetanilide, bbls., dlvd lb. .67½- —
fib. dms., c.l., dlvd lb. .66½- —
l.c.l., dlvd lb. .67½- —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller tots, same basis lb. 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd lb. 1.13 - —
fib. dms., c.l., works lb. 1.14 - —
l.c.l., works lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .09½- .10
tanks, dlvd lb. .07½- —
Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.33
Acetophenone, cns., dms lb. 1.30 - 1.85
tech., l.c.l., dms., works lb. .75 - —
Acetoacetoparaphenetidide, dms., 500 lbs. or more, works. lb. 1.65 - —
smaller lots, same basis lb 1.90 - —
Acetyl chloride, cbys., works lb. .50 - .60
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47
Acid, abietic, dms., c.l., works lb. .07½- —
Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.00 - —
70%, bbls 100 lbs. 8.40 - —
80%, bbls 100 lbs. 9.40 - —
glacial, synthetic, CP, dms., works 100 lbs.13.00 - —
USP, cbys., works 100 lbs.15.50 - —
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 -10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms. lb. .49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 - 1.10
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs lb. .20 - .22
Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works 100 lbs. 2.15 - 2.85
Benzoic, tech., bbls., dms., 100 lbs. or more lb. .43 - —
USP, bbls., dms., 100 lbs. up lb. .54 - —
Betaoxynaphthoic, bbls., works lb. 1.25 - —
Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots, ex whse, N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi ton.180.00 - —
less ton lots, same basis. ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots, ex whse., N. Y. or Chi ton.135.00 - —
less ton lots, same basis. ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi ton.155.00 - —
less ton lots, same basis. ton 160.00 - —
bulk, c.l., works ton.86.75 - —
powd., bgs., c.l., works ton.95.25 - —
ton lots, ex whse., N. Y. or Chi ton.140.00 - —
Boric, tech., 99½%, powd., less ton lots, same basis. ton.145.00 - —
bbls., c.l., works ton.115.25 - —
ton. lots, ex whse., N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bulk, c.l., works ton.91.75 - —

USP $25 per ton higher.

Broener's, bbls lb. 1.34 - —
Butyric, 99%, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —
Cacodylic, bots. lb.12.00 -13.00
Camphoric, natural, dms lb. 6.00 - 6.75
synth., dms lb. 5.25 - 7.00
Caprie, tech., dms lb. .50 - .50½
Caprylic, 99%, dms lb. .50 - .50½
Castor oil, split, dms lb. .21 - .22
Chlorosuiphonic, dms., c.l., works. lb. .03 - —
l.c.l., works lb. .03½- .04½
tanks, works lb. .02½- —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½- —
l.c.l., works lb. .26 - .27
USP, 5 lb. bots. lb. .82 - —
Cinnamic, refd., bots lb. 2.50 - 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't. lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —
Anhydrous citric acid powder, ½c. per lb. higher.
USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25½- —
smaller lots lb. .25½- —
kgs. lb. .26½- —

USP citric acid powder ½c. per lb. higher.

Cleve's, mixed, bbls lb. .65 - .66
Coconut oil, dist., dms lb. .23½- .24½
double dist., dms lb. .25¼- .26¼
Corn oil, s.d., dms lb. .10 Nom.
Cottonseed oil, dist., dms lb. .10¾- .11¾
Cresylic, dom., coaltar, 50% above 207° C. non-ret. dms., c.l., frt. equald gal. .91 - —
l.c.l., non-ret. dms., same basis gal. .94 - —
ret. dms., c.l., same basis lb. .88 - —
l.c.l., same basis lb. .91 - —
tanks, same basis gal. .80 - —
50% at 204° to 207° C, c.l., non-ret. dms., same basis gal. .96 - —
Acid, cresylic, dom., coaltar, 50% at 204°-207° C. non-ret. dms., l.c.l., same basis. gal. .99 - —
ret. dms., c.l., same basis. lb. .93 - —
l.c.l., same basis lb. .96 - —
tanks, same basis gal. .85 - —
Petroleum, 179° C to 198° C, San Francisco and Los Angeles, tanks gal. 1.00 - —
195° to 213° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .95½- —
l.c.l., same basis gal. .97½- .99½
tanks, same basis gal. .85 - —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .77 - —
l.c.l., same basis gal. .79 - .81
tanks, same basis gal. .665 - —
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .72½- —
l.c.l., same basis gal. .74½- .76½
tanks, same basis gal. .62 - —
Crotonic, fib. dms., works lb. .29 - —
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .22 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb. .29½- —
F. bbls., works lb. 1.87 - 1.93
Folic, bots., fib. ctns., kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .13 - .13½
l.c.l., works lb. .13½- .14
90%, cbys., c.l., works lb. .13½- .14
l.c.l., works lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 - .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 - —
smaller lots lb. 1.63 - 1.65
technical, bbls., 1,000 lb. lots lb. 1.43 - —
smaller lots lb. 1.46 - 1.48
Gamma, bbls lb. 1.20 - —
Gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 - —
kgs. lb. .16 - —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 - 2.40
25 lb. lots lb. 2.45 - —
Glycerophosphoric, 35%, dms., works lb. 2.15 - —
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. 73½- —
Hydriodic, 45-47%, cbys lb. 2.69 - —
57%, cbys lb. 2.83 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .38 - —
tech., 48%, cbys., dlvd E lb. .34 - .36
34%, cbys., dlvd E lb. .35 - .37
Hydrochloric (see Acid, muriatic)
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb. bots lb. .35 - —
Acid, hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½- —
30%, wood or rubber, dms., works lb. .08½- .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —
Hypophosphorus, USP, djns lb. .75 - .77
J, bbls., works, 20% basis lb. 2.50 - —
L, bbls., works lb. .95 - —
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller tots lb. .17 - .19
80%, bbls., 20 bbls. or more. lb. .28½- .332
plastic grade, 50%, bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3543
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .87 - —
Lauric, dist., 85-90%, dms lb. .28 - .28½
60%, dms. lb. .25 - .25½
Linseed oil, reg. dist., dms lb. .2580- .2330
water-white, dms lb. .2880- .2930
Maleic, powd., dms lb. .30 .31
Anhydride (see M).
Malic, dms. lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots. lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0085 .009
Molybdic, dms., 85%-92%, works lb. .92 - .95
Monochloroacetic, purified, flake, 99%, dms lb. .22½- .23¼
tech., flake, 96-97%, bbls lb. .18 - .19
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton.25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14¼- .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - —
Nicotinic, USP, dms., works kilo. 8.00 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 - .13¼
5 pint bottles extra, cs., c.l., frt equald lb. .15½- —
l.c.l., same basis lb. .17 - .18

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming)
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15½
Palm oil, white, dist., dms lb. .21¼ .21¾
Para-aminobenzoic, purified, dms., 100 lbs., works lb. 3.75 - —
smaller lots, same basis lb. 3.85 4.00
technical, dms lb. 1.84 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb.11.85 - —
smaller lots lb.11.90 -13.00
Paramethyiphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 —
Paratolylsulphonic, bbls., works lb. .92 95
Peanut oil, s.d., dms lb. .12¼ Nom.
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb 1.51 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral.
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	No.	number
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
artif.	artificial	E.	east	oz.	ounce
ASTM.	American Society for Testing Materials	e.p.	end point	Pac.	Pacific
		equald.	equalized	pf.	proof
Be.	Baume	F.	fahrenheit	phos.	phosphate
bgs.	bags	ferment.	fermentation	photo.	photographic
bbls.	barrels	ffa.	free fatty acid	pkgs.	packages
bls.	bales	ffc.	free from chlorine	powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	pt.	point
b.r.	boiling range	frt.	freight	pulv.	pulverized
bxs.	boxes	fus.	fused	purif.	purified
C.	centigrade	gal.	gallon	redist.	redistilled
cbys.	carboys	gran.	granular	refd.	refined
CD	completely denatured	grd.	ground	refy.	refinery
c.i.f.	cost, insurance, freight	i.&a.	iron and aluminum	reg.	regular
cks.	casks	i.b.p.	initial boiling point	resub.	resublimed
c.l.	car lots	imp.	imported	ret.	returnable
cns.	cans	incl.	included	SD	specially denatured
col.	color	indust.	industrial	s.d	single distilled
com'l	commercial	kgs.	kegs	S. E.	southeast
conc.	concentrated	lacq.	lacquer	secs.	seconds
CP	chemically pure	lb.	pound	s.g.	specific gravity
cps.	centipoises	l.c.l.	less than car lots	ship't	shipment
cryst.	crystal	liq.	liquid	solut.	solution
cs.	cases	m.a.p.	mixed aniline point	s.u.	standard unit
ctns.	cartons	min.	minimum	synth.	synthetic
cyls.	cylinders	m p.	melting point	tech.	technical
dbl.	double	N.	nitrogen	USP	U S Pharmacopoeia
denat.	denatured	nat.	natural	vis	viscosity
dest.-dist.	destructive-distilled			VM&P	varnish makers & painters
dextro.	dextrorotatory			W	west
dist.	distilled			w.w.	water white
				whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material

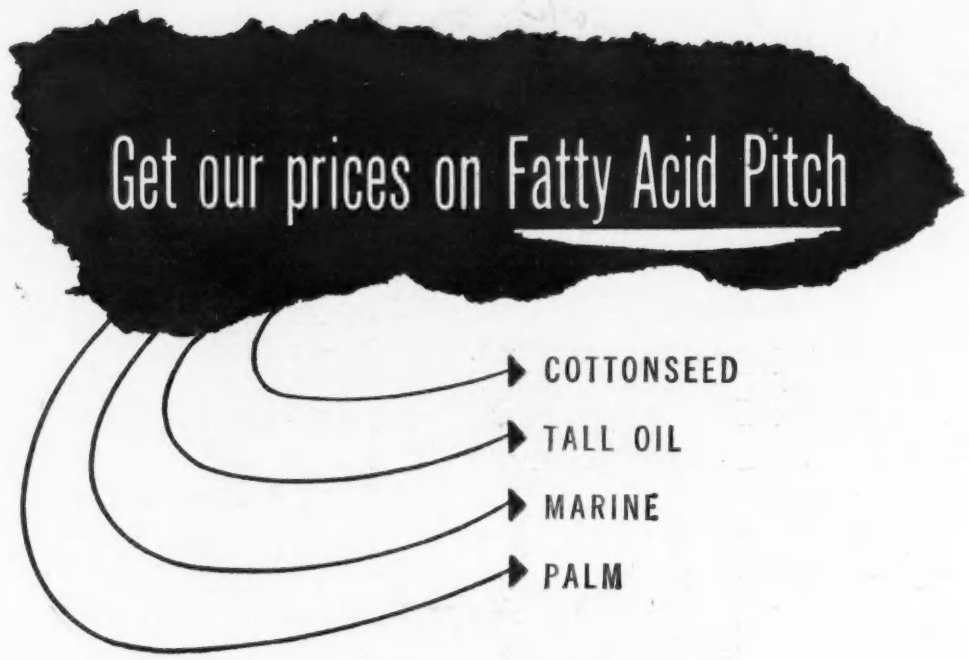
Acid, Phosphoric—Alphanitronaphthalene

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald. 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald. 100 lbs. 4.50 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls. lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls. lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb 3.45 - 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .38 - —
USP, cryst., bbls., c.l. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .47 - —
l.c.l., works lb. .49 - .53
Soybean oil, single dist., dms lb. .13¼- .14¼
double dist., dms lb. .14¼- .15¼
Stearic, double pressed, bgs lb. .14½- .15½
single pressed, bgs lb. .14 - .15
triple pressed, bgs lb. .16¾- .17¾

Acid, succinic, bbls., cryst., purified, works lb. .50 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton. 13.75 - —
66° Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton. 17.00 - —
98%, tanks, E. works ton. 18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, E works. ton. 19.00 - —
Tallow, dist., dms lb. .09½- .10½
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots. lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., 230. 250 lb. dms., 10,000 lbs., 1 ship't. lb. .34½- —
smaller lots lb. .35 - —
100-lb. dms lb. .36 - —
small, dms lb. .38 - .40
imported, kgs lb. .34 - .36

Acid, thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works, l.c.l. lb. .20 - —
c.l., tanks lb. .18½- —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Aconite leaves, bls lb. .50 - .55
Root, bbls. lb. .55 - .60
Aconitine, amorph., mild, bots oz. 27.50 - 32.50
cryst., potent, bots oz. 85.00 - —
Acrylonitrile, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar, USP, Kobe, No. 1 strip lb. 2.40 - 2.60
Agaric, white, bls lb. 1.50 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 - 11.00
Albumen (egg), edible, flake bbls lb. 2.15 - 2.20
powd., bbls lb. 2.18 - 2.23
tech., cryst., bbls lb. 1.08 - 1.15
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31½- —
works lb. .32½- —
l.c.l., dlvd lb. .32½- —
works lb. .33 - —
tanks, dlvd lb. .30 - —
works lb. .31 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .16 - —
l.c.l., frt. alld. E. of Miss lb. .17 - —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)

Alcohol, amyl, fermentation, refined, 126-132°C, dms., c.l., dlvd. lb. .33½- —
l.c.l., dlvd lb. .34½- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, dms. lb. .60 - .88
tech., dms., works, frt. equald. lb. .45 - .50
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
tankwagon, frt. alld lb. .13 - —
other production, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
synthetic, normal, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
secondary, dms., c.l., frt. alld. lb. .11½- —
l.c.l., dlvd., frt. alld lb. .12 - —
tanks, dlvd., frt. alld lb. .10 - —
tertiary, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .42½- —
l.c.l., dlvd. E. of Miss. R gal. .46½- .51½
tanks, dlvd. E. of Miss. R gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .41½- —
l.c.l., same basis gal. .45½- .50¼
tanks, same basis gal. .31½- —
SD2B, dms., c.l., E. of Miss. R. gal. .40 - —
l.c.l., same basis gal. .44 - .49
tanks, same basis gal. .30 - —
SD23H, dms., c.l., dlvd. E. of Miss. R. gal. .43 - —
l.c.l., same basis gal. .47 - .52
tanks, same basis gal. .33 - —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R. gal. .40½- —
l.c.l., same basis gal. .44½- .49¼
tanks, same basis gal. .30½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., dlvd. E. Miss. R. gal. .42½- —
l.c.l., same basis gal. .46½- .51¼
tanks, same basis gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd. lb. .13½- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.49 - —
l.c.l., same basis gal. 17.53 - 17.58
tanks, same basis gal. 17.39 - —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .39 - —
l.c.l., same basis gal. .43 - .48
tanks, same basis gal. .29 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.44 - —
l.c.l., same basis gal. 18.48 - 18.53
tanks, same basis gal. 18.34 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd. gal. .38 - —
l.c.l., dlvd gal. 41 - —
tanks, dlvd gal. .28 - —
95%, dms. incl., c.l., dlvd gal. .39½- —
l.c.l., dlvd gal. .42½- —
tanks, dlvd gal. .29½- —
NF, 99%, dms. incl., c.l., dlvd. gal. .41 - —
l.c.l., dlvd gal. .44 - —
tanks, dlvd gal. .31 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 2.15 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09½- —
works lb. .08 - —
l.c.l., dlvd lb. .10 - —
works lb. .08½- —
tanks, dlvd lb. .08 - —
works lb. .06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia. lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. .40 - .45
Allspice, Jamaica (see Pimento).
Mexican, bgs lb. .17½- .18
Allyl bromide, coys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, Cape, cs. lb. .23 - .24
Curacao, kgs lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 4.40
Alphanitronaphthalene, bbls lb. .24 - —



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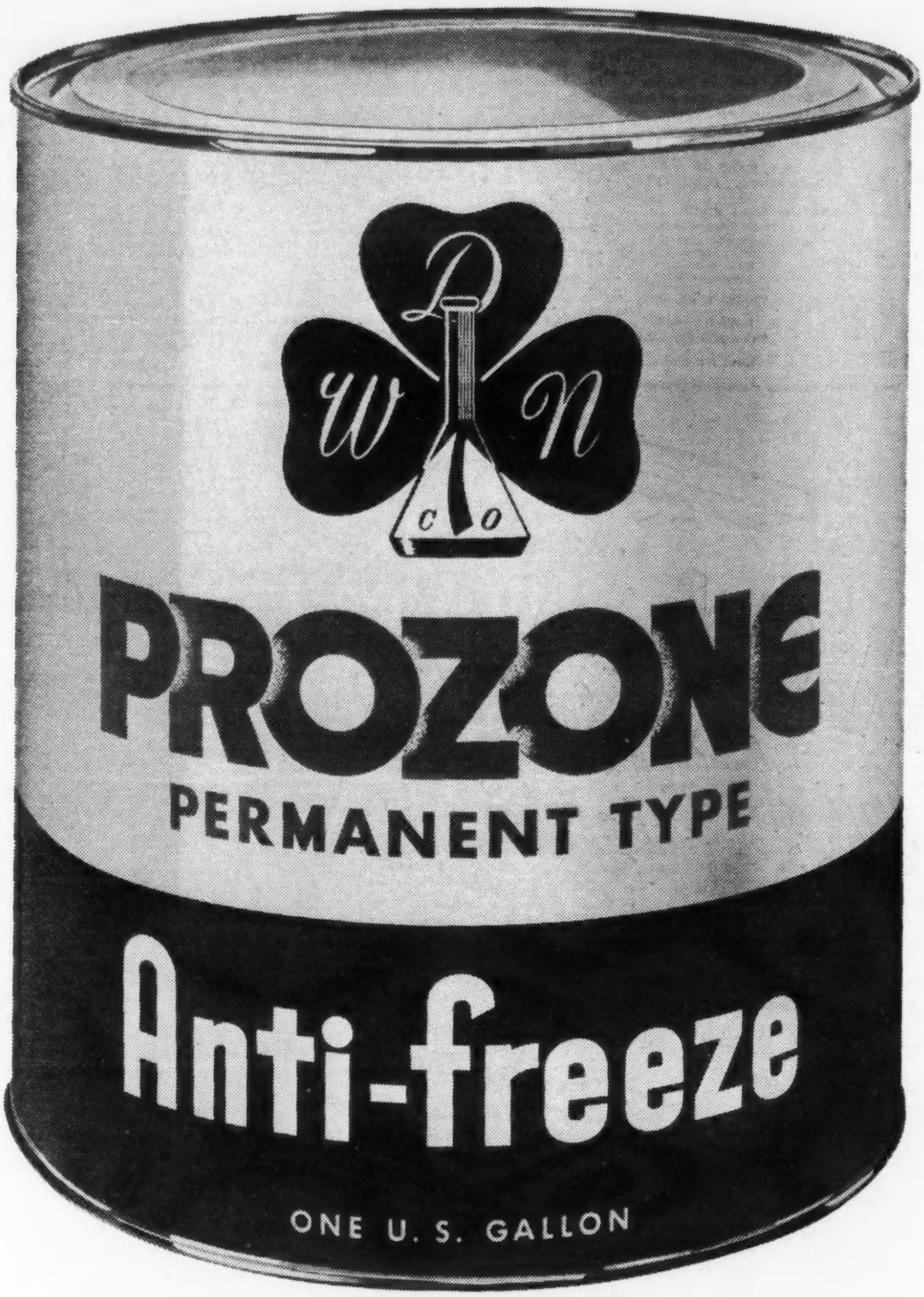

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Alphapicoline—Antimony Oxide

Alphapicoline, ret. dms., c.l., works, frt. equald. lb. .27 - .30
l.c.l., works, frt. equald. lb. .29½- .30
Alphapinene, tanks, South, works gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .18 - —
Alphatocopherol, bots. kilo.450.00 - —
Acetate, bots. kilo.450.00 - —
Althea root, NF, peeled, bls. lb. .30 - .40
Alum, ammonia, gran., bbls., works, 100 lbs. 3.80 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾- .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, hydrous, bbls. lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .0365- —
l.c.l., works lb. .0525- .0725
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., dlvd. lb. .10 - —
l.c.l., dlvd. lb. .10½- —
cryst., com'l, dms., c.l., works lb. .0650- —
l.c.l., works lb. .0690- —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., frt. equald. lb. .10 - —
l.c.l., frt. alld. lb. .11 - .13
Aluminum formate, basic solution, cbys., c.l. lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald. ton.50.00 -54.00
l.c.l., works ton.72.00 -86.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .27 - —
pigs, 10,000 lbs lb. .16 - —
Naphthenate, liquid, 1.7%, frt. alld lb. .24½- .25
Oleate, dms., precip lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld. lb. .14 - .15
kgs., ton, frt. alld. lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld. lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld lb. .34 - —
Aluminum oxide, crystalline, flour, classified, 600 mesh, dms., frt alld. lb. .51 - .53
kgs., frt. alld. lb. .50 - —
optical, floated, kgs., dlvd. lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld. lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb.13.50 - —
jars, works lb.15.00 -17.00

Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

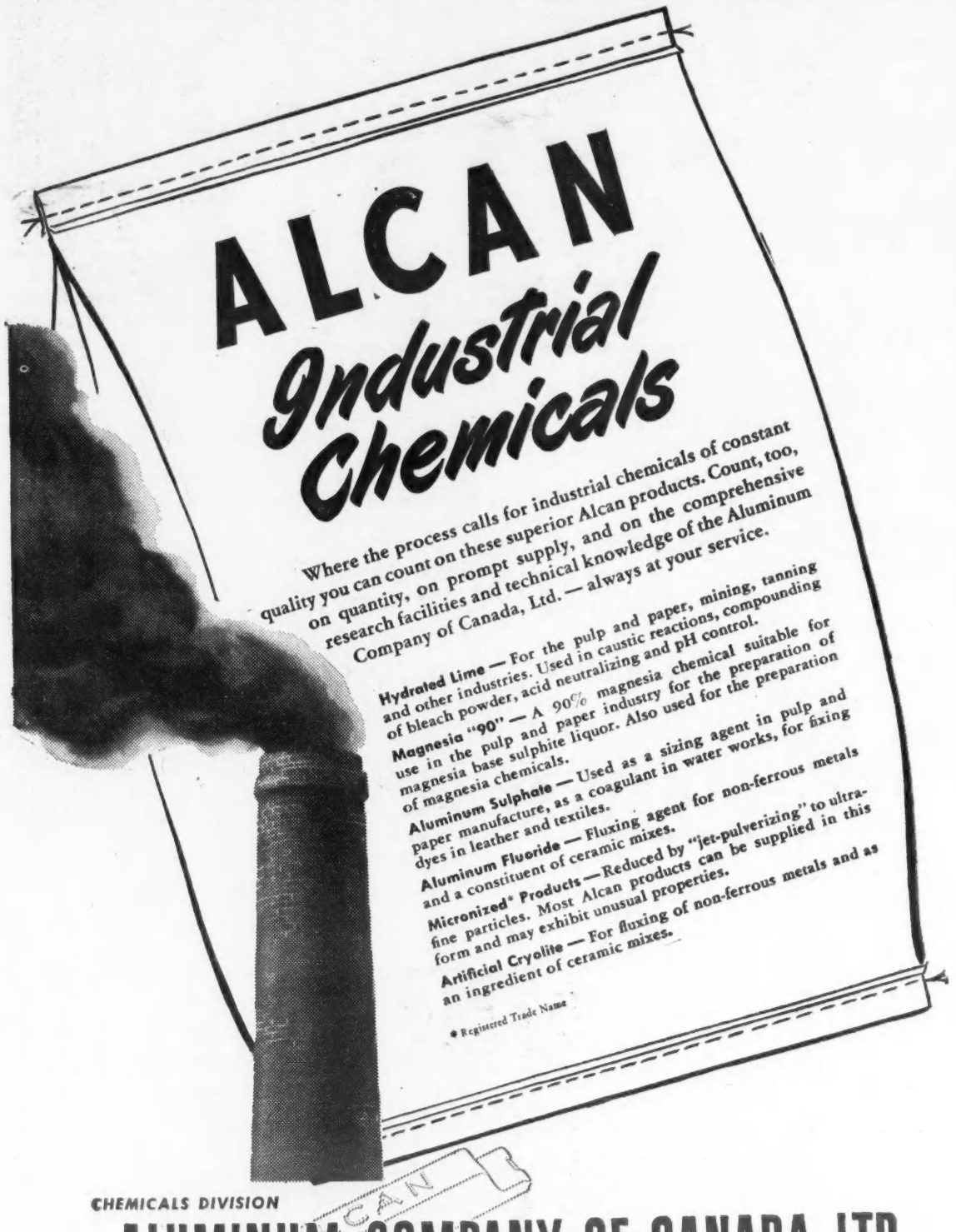
Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .43½- —
unpolished, standard, dms lb. .44½- —
varnish, standard, dms lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 or over.

Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Aluminum sulphate, com'l, bgs., c.l., works, equald. 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
iron-free, bgs., c.l., works, frt. equald. 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .85 - —
Aminomethylpropanol, cns., dms., works lb. .50 - .60
Aminoethylethanolamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Aminophylline, USP, bots., kgs lb. 6.00 - —
Aminopyrine, USP, bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -75.00
pure, cyls., extra lb. .17 - .21½
refrigeration, tanks, works ton.77.50 - —
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald. 100 lbs. 6.55 - —
l.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works. ton.80.00 -81.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld. lb. .80 - —
smaller lots, frt. alld. lb. .81 - 1.08
Biborate, bbls., c.l., works ton.302.00 - —
ton lots, works ton.355.50 - —
less ton lots, works ton.360.50 - —
Bicarbonate, dms., works, c.l. lb. .05½- —
l.c.l., works, dms lb. .06 - —
Bichromate, bbls., works lb. .31 - .32
Bifluoride, dms., dlvd lb. .18 - .18½
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .18½- .22
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms lb. .18 - .19
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.94 - 4.06
Linoleate, plastic, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld. lb. .21½- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, metal grade, kgs lb. .90 - —
chemical grade, bbls., kgs lb. .85 - —
A.C.S., grade, dms lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton.63.00 - —
dom., bgs., western works ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va. ton.46.00 - —
Oleate, dms., precip lb. .23¼- —
Oxalate, fine gran., dms lb. .25 - .29
dms., 100 lbs., lots lb. .27 - .31
Pentaborate, gran., bbls., c.l., works ton.212.00 - —
ton lots, works ton.265.50 - —
less ton lots, works ton.270.50 - —

Ammonia pentaborate powder, $10 per ton higher.

Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works lb. .08½- —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½- —
Salicylate, NF, dms., kgs lb. 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Stearate, 28%, dms lb. .21 - .31
paste, dms lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton.45.00 -50.00
converters', bulk, works ton.45.00 -50.50
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd. or frt. alld. lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 —
l.c.l., works lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys. lb. 1.70 - 2.25
commercial, same basis lb. 1.40 - 1.95
Thiosulphate, jars lb. .32 - .36
Amphetamine hydrochloride, dextro, dibasic, bots. lb.40.00 - —
monobasic, bots lb.38.00 - —
dextro-laevo, dms lb. 7.50 - —
phosphate, dextro, dibasic, bots. lb.40.00 - —
dextro-laevo, dibasic, dms lb. 7.50 - —
monobasic, dms lb. 7.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd. lb. .16½- —
l.c.l., dlvd. lb. .17½- —
tanks, dlvd lb. .15 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, com l, dms., works lb. .50 - —
NF, cns., dms lb. .77 - .82
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .70 - .75
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld. lb. .15 - —
l.c.l., works, frt. alld. lb. .16 - —
tanks, works, frt. alld. lb. .14 - —
Salt, cms., works lb. .26 - —
Anise, Argentine, bgs. lb. No stocks.
Chinese, star lb. .12½- .13
Cyprus, bgs. lb. .20 - .20½
Mexican, bgs. lb. .14½- .15
Syrian, bgs. lb. .14½- .15
Anisic aldehyde, bots., dms. lb. 2.05 - 2.20
Annatto paste, bxs. lb. .34 - .37
Seed, bgs. lb. .20 - .21
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys. lb. .29 - .30
Metal, bulk, c.l., mines lb. .38½- —
Oxide, ceramic grade, bgs., c.l., dlvd. lb. .32 - .34
l.c.l., dlvd. lb. .33 - .35
paint grade, bgs., c.l., works. lb. .35¾- .36
l.c.l., works lb. .36¼- .37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Aluminum Fluoride — Fluxing agent for non-ferrous metals and a constituent of ceramic mixes.
Micronized* Products — Reduced by "jet-pulverizing" to ultra-fine particles. Most Alcan products can be supplied in this form and may exhibit unusual properties.
Artificial Cryolite — For fluxing of non-ferrous metals and as an ingredient of ceramic mixes.
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ALUMINUM IMPORT CORP. New York, Buenos Aires, Sao Paulo

Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss ..... lb. No stocks.
Sulphide, 62-64%, bbls., c.l., dlvd. ..... lb. .25 - —
l.c.l., dlvd ..... lb. .27 - —
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms ..... lb. 2.35 - 2.45
Apomorphine, USP, bots. ..... oz. 23.20 - 23.70
Archil extract, bbls ..... lb. No stocks.
Areca nuts, powd., bbls ..... lb. .22 - .25
Arecoline hydrobromide, NF, bots. ..... oz. 6.10 - 6.75
Arginine hydrochloride, laevo kilo. 140.00 - 150.00
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) 18.00 - 18.50
Arnica, flowers, bls ..... lb. .45 - .90
root, bls. ..... lb. 1.45 - —
Arrowroot, powd., bgs ..... lb. .13 - .16
Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls ..... lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l., dlvd. lb. .06 - —
l.c.l., dlvd ..... lb. .06¾ - .07
Asafetida, cs ..... lb. .32 - .35
powd., bbls., dms ..... lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines ..... ton. 88.00 - —
5R, bgs., c.l. (20 tons), same basis ..... ton. 79.00 - —
6D, bgs., c.l. (30 tons), same basis ..... ton. 59.00 - —
7D, bgs., c.l. (30 tons), same basis ..... ton. 52.50 - —
7F, bgs., c.l. (30 tons), same basis ..... ton. 49.50 - —
7K, bgs., c.l. (30 tons), same basis ..... ton. 35.50 - —
7M, bgs., c.l. (30 tons), same basis ..... ton. 31.00 - —
7R, bgs., c.l. (30 tons), same basis ..... ton. 30.00 - —
7RF, bgs., c.l., same basis ..... ton. 31.00 - —
7T, bgs., c.l., same basis ..... ton. 28.50 - —
7TF, bgs., c.l., same basis ..... ton. 31.00 - —
Asphaltum, cut-back, tanks, tank wagon, refinery ..... gal. .09 - —
Emulsion, tanks, tank wagon, refinery ..... gal. .09½ - .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ..... ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ..... ton. 31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ..... ton. 36.50 - —
Manjak, No. 10, crude, dms., works ..... lb. .06½ - —
process form, bgs., works ..... lb. .05¾ - .15
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ..... ton. 22.00 - —
80-300 penetration, tanks, tankwagon, refinery ..... ton. 21.00 - —
Atropine, USP, bots. ..... oz. 13.50 - 15.00
Sulphate, USP, bots. ..... oz. 10.35 - 12.00

B

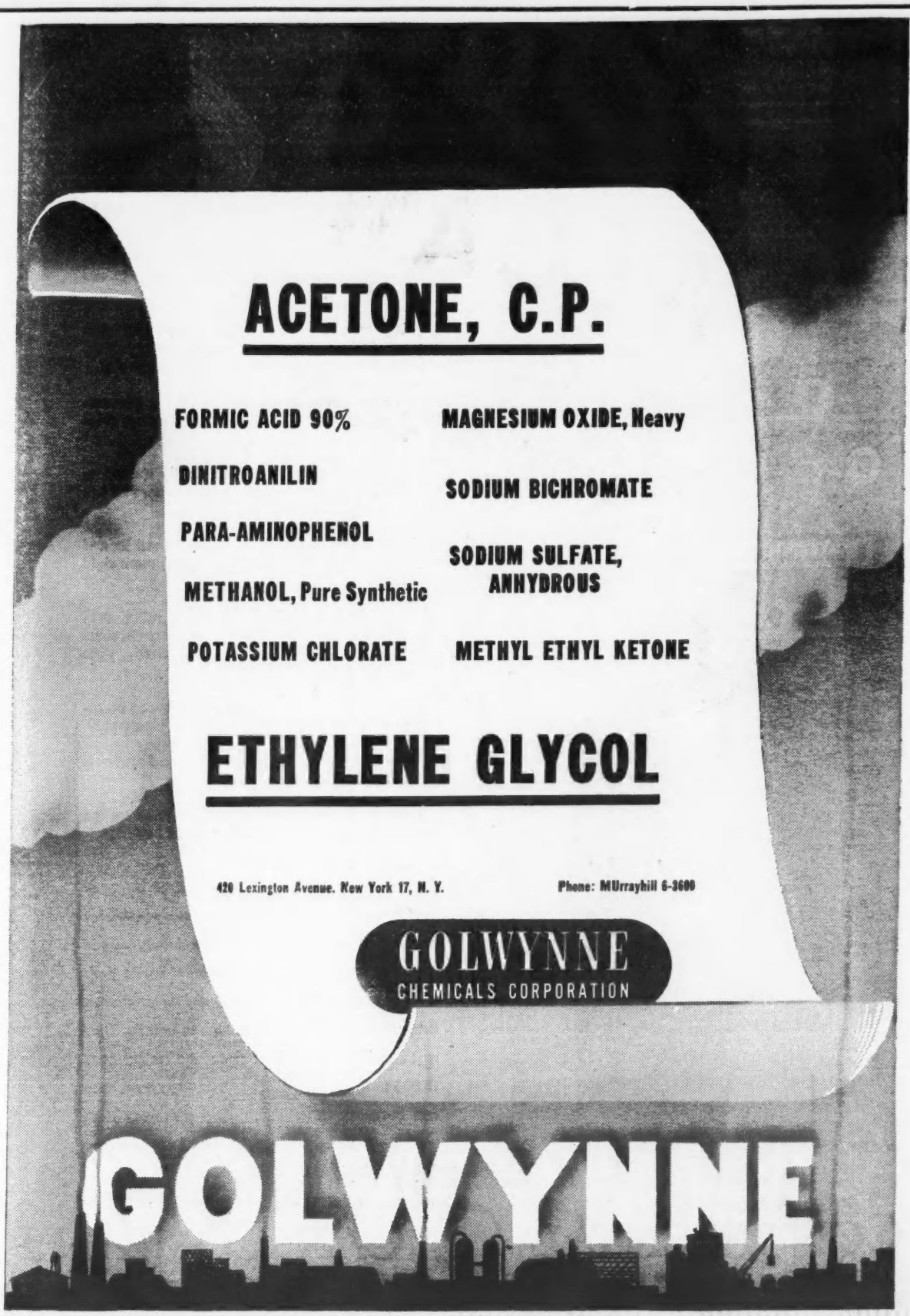
Bacitracin, bulk, unlabeled, topical, 2,000 units ..... vial. .40 - —
10,000 units ..... vial. .78 - —
50,000 units ..... vial. 2.86 - —
Balm of Gilead buds, dried, bgs ..... lb. 1.40 - 1.50
Barbasco root (see Cube root).
Barberry, root bark, bgs ..... lb. .60 - .65
tree bark, bgs ..... lb. .53 - .55
Barbital, USP, dms. ..... lb. 4.50 - —
Sodium, USP, dms. ..... lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works ..... ton. 72.50 - 80.00
smaller lots, works ..... ton. 82.50 - 90.00
Chlorate, kgs., works. ..... lb. .25½ - .31
Chloride, NF, cryst., dms ..... lb. .17 - .18
tech., bgs., c.l., works, frt. equald ..... ton. 90.00 - —
l.c.l., works. ..... ton. 100.00 - —
Chromate, bgs., frt. equald ..... lb. .31½ - .32
Dioxide, dms., c.l., works ..... lb. .12 - —
l.c.l., works ..... lb. .12 - —
Hydrate, crystals, bgs. ..... lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. ..... lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works ..... lb. .11½ - —
l.c.l., works ..... lb. .13 - —
Oxide, grd., dms., c.l., works ..... lb. .11 - —
l.c.l., works ..... lb. .11½ - —
Peroxide (see Dioxide).
Stearate, ctns., c.l. ..... lb. .34 - —
smaller lots ..... lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls ..... lb. .12½ - .13
Sulphide, dms., c.l., works ..... ton. 55.00 - —
l.c.l., works ..... ton. 70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld ..... lb. .20 - —
l.c.l., works ..... lb. .21 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ..... ton. 9.40 - 12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ..... ton. 35.05 - —
l.c.l., same basis ..... ton. 36.85 - —
ex whse., N. Y. ..... ton. 49.65 - —
Southern off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines ..... ton. 20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls ..... lb. .75 - 1.10
Root, bls ..... lb. .45 - .50
Bauxite, bulk, mines ..... ton. 8.50 - 10.00
Bentonite, 200 mesh, bgs., works ton. 11.00 - —
Benzaldehyde, NF, dms ..... lb. .68 - —
tech., cbys., dms ..... lb. .45 - —
Benzal chloride, cbys., works ..... lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane)
11% gamma, tech., bgs., dms., c.l., works ..... lb. .27½ - —
l.c.l., works ..... lb. .29¾ - —
6% gamma, 50% dust, dry, distributors, dms., c.l., dlvd ..... lb. .15 - —
l.c.l., dlvd ..... lb. .16 - —
wet, distributors, dms., c.l., dlvd ..... lb. .16½ - —
l.c.l., dlvd ..... lb. .17½ - —
Benzidine base, bbls ..... lb. 1.02 - —
Benzocaine, cns ..... lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward Ala., Youngstown, Ohio. gal. .20 - —
Benzophenone, dms ..... lb. 1.15 - 1.70
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots ..... lb. .35 - —
less ton lots, same basis ..... lb. .37 - —
Benzoyl chloride, cbys., dms., c.l., works, frt. eq ..... lb. .20½ - .21
l.c.l., same basis ..... lb. .21½ - .22
Peroxide, pure, fib. ctns., works. ..... lb. .20 - 1.05

Benzyl acetate, f.f.c., dms. ..... lb. .69 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .83 - 1.00
Chloride, tech., cbys., c.l., works, frt. equald ..... lb. .19 - .19½
l.c.l., same basis ..... lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns ..... lb. 3.00 - 4.00
Formate, cns ..... lb. 1.60 - 3.50
Propionate, bots ..... lb. 1.34 - 2.30
Salicylate, bots. ..... lb. 1.55 - 2.25
Benzylidinacetone, bots. ..... lb. 1.85 - 2.70
Benzylisoeugenol, bots ..... lb. 8.90 - 9.00
Berberine bisulphate, cns. ..... lb. No stocks
Hydrochloride, bots. ..... lb. No stocks
Sulphate, cns. ..... lb. No stocks
Berberis root, bls ..... lb. .35 - .40
Betagammapicoline, dms., c.l., works. ..... lb. .21 - 2¾
l.c.l., works ..... lb. .21½ - 24
Betamethylnaphthalene, m.p., 32°C., dms., works lb. 90 - —
Betanaphthol, resublimed, dms., works. lb. 75 - —
tech., bbls., c.l., works ..... lb. .30 - —
l.c.l., works ..... lb. .32 - —
Benzoate, fib. dms., works ..... lb. 1.75 - —
Salicylate, dms. ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .80 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots ..... lb. 1.25 - —
smaller lots ..... lb. 1.60 - —
Betapicolin, 90%-95%, dms., c.l., works. lb. 1.35 - —
98%, dms., c.l., works ..... lb. 1.85 - —
Beth root, bls. ..... lb. .45 - .50
Biotin, cryst. ..... gram. 12.50 - —
Bismuth chloride, jars ..... lb. 3.95 - —

Bismuth citrate, USP VIII, jars lb. 3.27 - —
Hydroxide, dms ..... lb. 4.18 - —
Metal, bxs., ton lots ..... lb. 2.00 - —
Nitrate, cryst., dms ..... lb. 1.85 - —
Oxychloride, dms ..... lb. 3.97 - —
Oxide, anhydrous, dms ..... lb. 4.60 - —
Phenolsulphonate, fib. dms ..... lb. 4.70 - —
Subcarbonate, USP, dms ..... lb. 2.80 - —
Subgallate, NF, fib. dms ..... lb. 2.75 - —
Subiodide, fib. dms. ..... lb. 4.90 - —
Subnitrate, NF, dms ..... lb. 2.30 - —
Subsalicylate, USP, dms ..... lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½ - —
cs., l.c.l., shipt. point ..... lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd ..... lb. .14¾ - .22¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works ..... lb. .0650 - —
bgs., c.l., works ..... lb. .0690 - —
l.c.l., dlvd. or whse ..... lb. .1125 - .117
uncompressed, regular, bgs., c.l., works lb. .0832 - —
bgs., ctns., l.c.l., dlvd. or whse lb. .13¾ - —
furnace, fast extruding, bgs., c.l., works lb. .05½ - —
ctns., l.c.l., whse ..... lb. .09½ - —
high modulus, bgs., c.l., works. lb. .05 - —
ctns., l.c.l., whse ..... lb. .09 - —

Antimony Salt—Bleaching Powder

Black, carbon, furnace, semi-reinforcing, bgs., c.l., works ..... lb. .03½ - —
ctns., l.c.l., whse ..... lb. .07½ - —
very fine, bgs., c.l., works ..... lb. .0740 - —
l.c.l., dlvd. or whse ..... lb. .1125 - .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works ..... lb. .10¾ - —
l.c.l., works ..... lb. .11 - —
Lamp, bgs., c.l., works ..... lb. .07 - .30
Mineral, bgs., works ..... lb. .0160 - 0675
Black ash (see Barium sulphide).
Blackberry root, bls. ..... lb. .12 - .13
bark of root, bls ..... lb. .30 - .32
Black dyes (see Dyes).
Black haw, root, bark, bls ..... lb. .70 - .80
Tree bark, bls ..... lb. .28 - .30
Black Indian hemp root, bls. ..... lb. .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ..... ton. 77.50 - —
l.c.l., works ..... ton. 85.00 - —
direct process, bgs., c.l., works ..... ton. 85.00 - —
l.c.l., works ..... ton. 90.00 - —
N. Y. whse ..... ton. 108.00 - —
bbls., c.l., works ..... ton. 90.00 - —
l.c.l., works ..... ton. 95.00 - —
N. Y. whse. ..... ton. 113.00 - —
pulp, 66⅔%, bbls., c.l., works, ton. 67.00 - —
l.c.l., same basis ..... ton. 73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works ..... 100 lbs. 4.75 - —



Blood, Dried—Calcium Cyanide

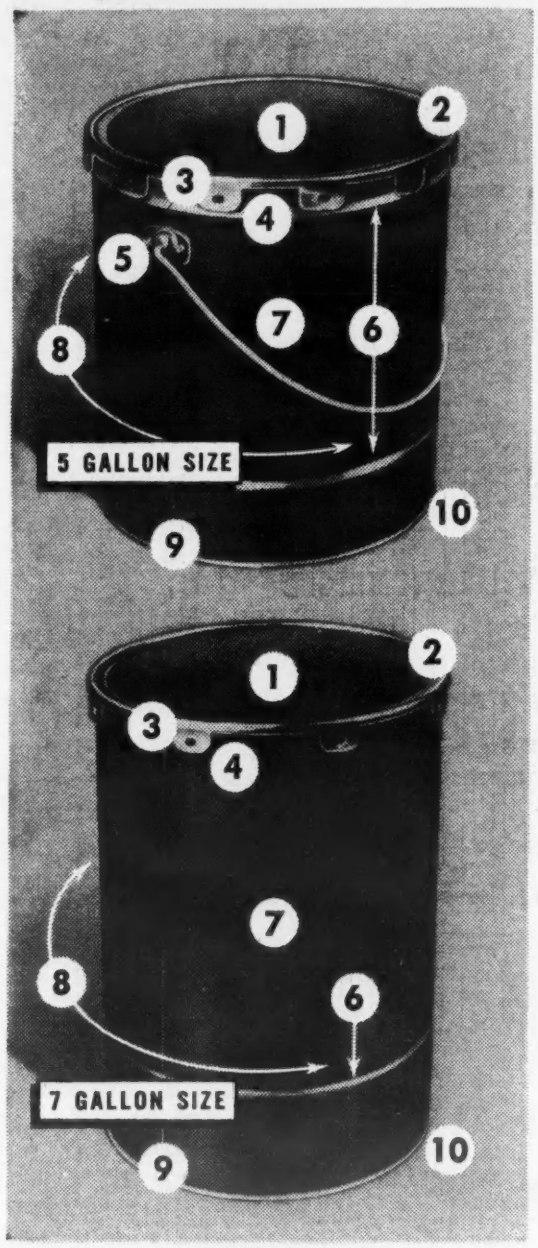
Blood, dried, 16-16½% ammo., bgs., unit-ton. 9.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton.10.00 - —
soluble, bgs., c.l. lb. .17 - .19
l.c.l. lb. .18 - .25
Bloodroot, bls. lb. .43 - .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .45 - —
Soda, C.P., bronze, bbls., same basis lb. .39 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls ton. 3.75 - —
Tungstic, bbls lb. 3.75 - —
violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb. 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .09 - .10
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.70.00 - —
Chicago, works ton.70.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works ton.75.00 - —
Chicago, works ton.75.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.75.00 - —
Chicago, works ton.75.00 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .14 - .16
Borage flowers, bls. lb. .40 - .45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 - —
ton lots, ex whse, N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton lots, ex whse, N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton lots, ex whse, N. Y. or Chi ton.106.00 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton lots, ex whse, N. Y. or Chi ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse, N. Y. or Chi ton.80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ton.55.25 - —
ton lots, ex whse, N. Y. or Chi ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works ton.31.25 - —
powdered, 99½%, bgs., c.l., works ton.40.25 - —
ton lots, ex whse, N. Y. or Chi ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
Borax, tech., powd., 99½%, bbls., c.l., works ton.60.25 - —
ton lots, ex whse, N. Y. or Chi ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ton.36.25 - —
Borax packed in kgs. is $4s per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .21 - —
1,000 lbs., same basis lb. .23 - —
single pkgs., same basis lb. .28 - —
dms., lead-lined, c.l., dlvd. lb. .19 - —
Bromoform, USP, bots. lb. 1.50 - 1.70
cbys. lb. 1.42 - —
Bromsityrol, bots. lb. 4.85 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works lb. .50 - .60
moulding, cans, dms., works lb. .80 - 1.00
printing ink, cans, dms., works lb. .95 - 1.10
radiator, cans, dms., works lb. .60 - .65
Broomtop, bls. lb. .25 - .26
Brown, iron, synth., bgs., l.c.l., works lb. .12½ - —
Oxide, metallic, bgs., works lb. .03 - .03¼
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bags., c.l., works lb. .03¾ - .14¾
l.c.l., works lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12½
l.c.l., works lb. .04¼ - .12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾ - .05¼
l.c.l., bgs., works lb. .05 - .06¼
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .05¾ - .07¼
l.c.l., works lb. .06 - .08
raw, American, bgs., same basis lb. .03¾ - .06
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works lb. .09¾ - .12
Brucine, cns., 100 ozs oz. .45 - —
Sulphate, NF, cns., 100 ozs oz. .35 - —
Bryonia root, bls. lb. .30 - .35
Buchu leaves, bls. lb. .80 - .85
Buckthorn bark, bls. lb. .14 - .16
cut and sifted, bls. lb. .25 - .27
Berries, bgs. lb. .80 - .90
Burdock, root, bls. lb. .20 - .26
Butadiene, cyls., refy. lb. .19 - —
tanks, same basis lb. .11½ - —
Butane, indust., tanks, group 3 gal. .03½ - —
Butternut bark, bls. lb. .19 - .25
Butyl acetate, normal, ferment., Ill., Ind., prod., dms., c.l., works, frt. alld. lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½ - —
tankwagons, same basis lb. .13 - —
other production, dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½ - —
synthetic, normal, dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½ - —
secondary, dms., c.l., same basis lb. .11½ - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb. .17½ - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16 - —
Ether (see Ether, butyl)
Isobutyl methacrylate, P-5, 50/50, cns., works lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½ - —
l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .41 - —
Laurate, dms., works lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-4, cns., works lb. .65 - —
Myristate, dms., works lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Phenylacetate, dms. lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd. lb. No stocks
tanks, dlvd. lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .32 - —
l.c.l., same basis lb. .33 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium bromide, jars lb. 2.49 - 2.80
Iodide, jars lb. 5.10 - —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd. lb. 2.00 - —
patent shapes, cs., dlvd. lb. 2.15 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, USP, cryst., dms., 100 lbs or more lb. 3.80 - —
anhydrous, dms., 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots. lb. 6.50 Nom.
Calabar beans, bgs., futures lb. .65 .66
Calamine, USP, dms. lb. .27 - .29
Calamus root, dom., bgs lb. .27 - .30
imported, bleached, bls lb. .70 Nom.
peeled, bls lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram. 4.00 - —
1,000 to 10,000 s.u., works gram. 4.40 - —
less than 1,000 s.u., works gram. 4.80 - —
in edible oil, dms., 10,000 or more .10 - —
1,000 to 10,000 s.u., works unit. .11 - —
less than 1,000 s.u., works unit. .12 - —
Calcium acetate, bgs., dlvd. 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. lb. .09½ - —
l.c.l., same basis lb. .10½ - —
Bromide, NF, jars lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.22.00 —
l.c.l., same basis ton.37.00 -67.00
liquor, works, basis 40%, tankcars ton. 9.00 —
pellets, bgs., c.l. works ton29.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 - —
l.c.l., works, same basis ton.30.00 -59.00
USP, gran., bbls. lb. .30 - —
Chromate, bgs., frt. equald lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50

Check these 10 Continental features

before you buy pails for dry and viscous products



√ (1) Circular panel in cover gives greater rigidity and allows firm stacking of filled pails.

√ (2) Cover has deep gasket groove and full skirt — provides sure seal and if desired, permits use of a gasket.

√ (3) Lugs on cover are full length with punched slots — giving safer sealing and easier opening. Shipping tags can be attached through slot.

√ (4) A small embossment over each lug prevents jamming and sticking of covers during shipment or in storage.

√ (5) Ears on 5 gallon size are rigidly riveted to body and doped to prevent leakage. Pail has a heavy wire bail.

√ (6) Outward bead near top (5 gal.) and inward bead near bottom give a stronger, more rigid body.

√ (7) Pails are made of 28 gauge cold rolled steel throughout. Bodies are made of 2 panels, press locked and doped — insuring a sturdy, tight container.

√ (8) Both front and back panel of body can be attractively lithographed with sales message.

√ (9) Bottom is compound lined and has a 5 thickness seam, adding strength to pail.

√ (10) Bottom bead prevents pails from jamming too tightly when nested in shipment and storage.

Add up these ten Continental features and you have a high quality flaring pail, perfectly suited for packaging either dry or viscous products. Made in both 5 and 7 gallon sizes, Continental flaring pails serve as strong, protective containers for your products, yet they are light and easy to handle. They nest snugly—save storage space and freight costs (5,000 to 8,000 per 40' car). And to top it off, they can be attractively lithographed with your sales message to make your product stand out wherever they are displayed.

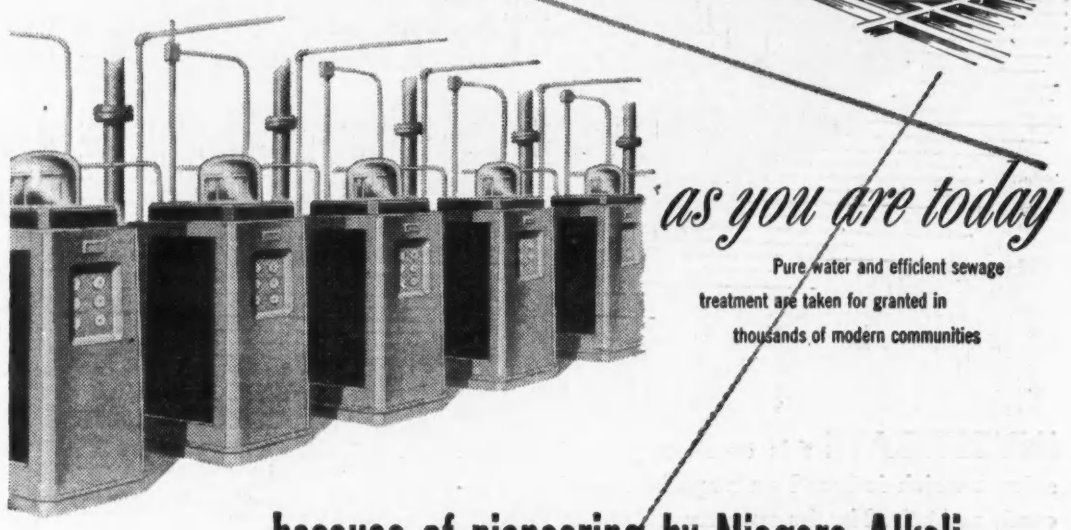
CONTINENTAL CAN COMPANY

100 EAST 42nd STREET, NEW YORK 17, N. Y.

Calcium gluconate, AA, bbls., dms. lb. .63 - .72
USP, bbls., dms. lb. .58 - .65
Glycerophosphate, NF, fib. dms. lb. 1.65 - 1.80
Hydride, dms., works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm. 24.00 - 28.50
cns., cased (45 lbs.) same basis cs. 19.75 - 21.50
Hypophosphite, 50-lb. lots, dms lb. .80 - .83
Iodide, jars lb. 4.12 - —
Lactate, USP, dms lb. .37 - .44
Mandelate, USP, dms., works lb. 2.10 - —
Naphthenate, liq., 4% Ca., dms., frt. alld. lb. .23¾ - —
Nitrate, tech., works lb. .07 - .09
Pantothenate, dextro, jars gram. .07½ - —
Phenolsulphonate, dms. lb. .59 - .60
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 10 tons, works. ton. 105.00 - —
one ton or over, works ton. 115.00 - —
less than one ton, works ton. 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald. lb. .05¾ - —
smaller lots, same basis lb. .05¼ - —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .22 - —
Resinate, precip., dms., frt. alld. works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½ - —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton. 45.00 - —
70%, bgs., c.l., works ton. 50.00 - —
luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .50 - .85
Calomel, USP, cryst., dms lb. 1.82 - 1.83
fine powd., dms lb. 1.97 - 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, NF, monobromated, dms., kgs. lb. 3.10 - 3.20
Camphor, natural lb No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb. .42 - —
10 bbls. (1,500 lbs.) lb. .44½ - —
smaller lots lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .58 - —
1,000-lb. lots lb. .59 - —
smaller lots lb. .60 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. 1.10 - 1.30
powd., bxs lb. 1.25 - 1.50
Russian, bgs lb. 4.50 - 5.00
powd., bxs. lb. 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75
Caramel coloring, NF, bbls gal. 1.02 - 1.20
Caraway seed, Danish, bgs lb. .17½ - .18
Dutch, bgs. lb. .18 - .18½
Carbazole, 97%, steel dms., ton lots, works lb. 1.75 - —
fib. dms., same basis lb. 1.70 - —
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., same basis lb. .13½ - —
tanks, same basis lb. .11½ - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼ - —
l.c.l., same basis lb. .07¼ - —
5-gal. dms., same basis lb. .09½ - —
l.c.l., same basis lb. .08¾ - —
tankcars, same basis lb. .0445 - —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. .09 - .11½
tech., dms., E. of Rockies, c.l., frt. alld. lb. .08 - —
l.c.l., same basis lb. .08½ - —
W. of Rockies, c.l., f.o.b. stock points lb. .08½ - —
l.c.l., frt. alld. lb. .09 - —
NF, cbys lb. .17 - .19
Carboxymethylcellulose-Sodium—See CMC.
Carbromal, NF, dms., ton lots, works lb. 4.25 - —
100-lb. lots, works lb. 4.75 - —
Cardamom fruit, bleached, bold, cs., lb. 3.25 - 3.30
medium, cs lb. 3.10 Nom.
Coorges, cs., futures lb. 2.25 - 2.30
decorticated, Guatemalan, cs., futures lb. 2.46 Nom.
Indian, cs lb. No stocks.
green, Alleppey, bgs., futures lb. 2.30 - 2.35
Seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, bulk, 100 lbs. or more lb. 5.50 - —
smaller lots lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½ - —
tins, works gm. .62 - —
dry powder, 3,330 A units per gram lb. .70 - —
emulsion (in milk), 500,000 A units per 16-oz. can can. .85 - —
in vegetable oil, 250,000 A units per gram lb. 37.24 - —
50,000 A units per gram lb. 7.87 - —
25,000 A units per gram, tins, works milli. units. .32 - —
dms., works milli. units. .30 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .50 - —
Carvol, bots lb. 10.00 - 16.00
Cascara sagrada bark, bulk lb. .26 - .28
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½ - —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point lb. .20 - .22
rennet-precip., 10,000 lbs. or more, same basis lb. .28 Nom.
imported, acid-precip., ground, bgs. or more lb. 19-.19½ Nom.
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼ - —
dm. lots, same basis lb. .24¼ - —
Cassia bark, Batavia, longstick, bls. lb. .27 - .28
broken, bls lb. .25 - .25½
short stick, bls lb. .23 - .24
Cassia, China, Canton, rolls, select, cs. lb. .10 - .10½
broken, bls lb. .09 - .09½
Honan, rolls, scraped, bls. lb. .14 - .14½
broken, bls lb. .13 - .13½
unscraped, bls lb. .13½ - .14
broken, bls lb. .12½ - .13
Yunnan, rolls, scraped, bls. lb. .14 - .14½
broken, bls lb. .13 - .13½
unscraped, bls lb. .13 - .13½
broken, bls lb. .12 - .12½
Saigon, broken, bls lb. .25 - .28
medium, bls lb. .34 - .35
thin, bls lb. .41 - .42
Buds, China, bgs lb. .23 - .24
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports long ton. 103.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. 21.00 - —
Castoreum, nat., cns lb. 12.00 - 45.00
synthetic, cns lb. 22.00 - —
Catechol, CP, cryst., fib. dms., works. lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls lb. .50 - .55
Celery seed, French, bgs lb. .26½ - .27
Indian, bgs lb. .23½ - .24
futures, bgs lb. .24 - .24½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .40
granules, ctns., same basis lb. .42 - —
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular black, ctns., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
Cellulose acetate, molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, transluscent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .49 - —
less than 500 lbs., works, lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., l.c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 1.25 - —
kgs., 100 lb. lots, works lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02¾ - .05½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 - 40.00
rubber makers, bgs., c.l., works. ton. 30.00 - —
Chamomile flowers, Hungarian, cs. lb. .45 - .48
Roman, bls lb. .95 - 1.00
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½ - .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bulk, c.l., works ton. 49.80 - —
bgs., c.l., works ton. 51.80 - —
granular, bgs., incl., c.l., works. ton. 46.80 - 59.00
lump, bulk, c.l., works ton. 38.80 - 43.50
bgs., extra, returnable, c.l., works ton. 41.80 - 45.50
Pinewood, gran., powd., bgs., c.l., works, South ton. 40.00 - —
l.c.l., works ton. 50.00 - 60.00
lump, bgs., c.l., works, South ton. 35.00 - —
Willow, powd., bbls lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0465 - —
l.c.l., works lb. .0495 - —
tanks, works lb. .0375 - .0399
powd., 65% tannin, bgs., extra, c.l., works lb. .1105 - —
l.c.l., works lb. .1170 - .1190

as you were in 1900

Effective methods of purifying water supplies were virtually unknown at the turn of the century



as you are today

Pure water and efficient sewage treatment are taken for granted in thousands of modern communities

. . . because of pioneering by Niagara Alkali

In 1900 practically no community was protected effectively against water-borne diseases. Today, every modern city and town is safeguarded by scientifically planned and operated water purification systems and sewage treatment plants.

Niagara Alkali Company, now approaching its 50th anniversary, helped to achieve this progress by pioneering the production and use in this country of liquid chlorine—for both water purification and sewage treatment. Niagara also helped improve paper, textiles, glass, soap and other products by pioneering the manufacture of caustic potash, carbonate of potash and caustic soda. Look to Niagara for pioneer quality and service in electro-chemicals.

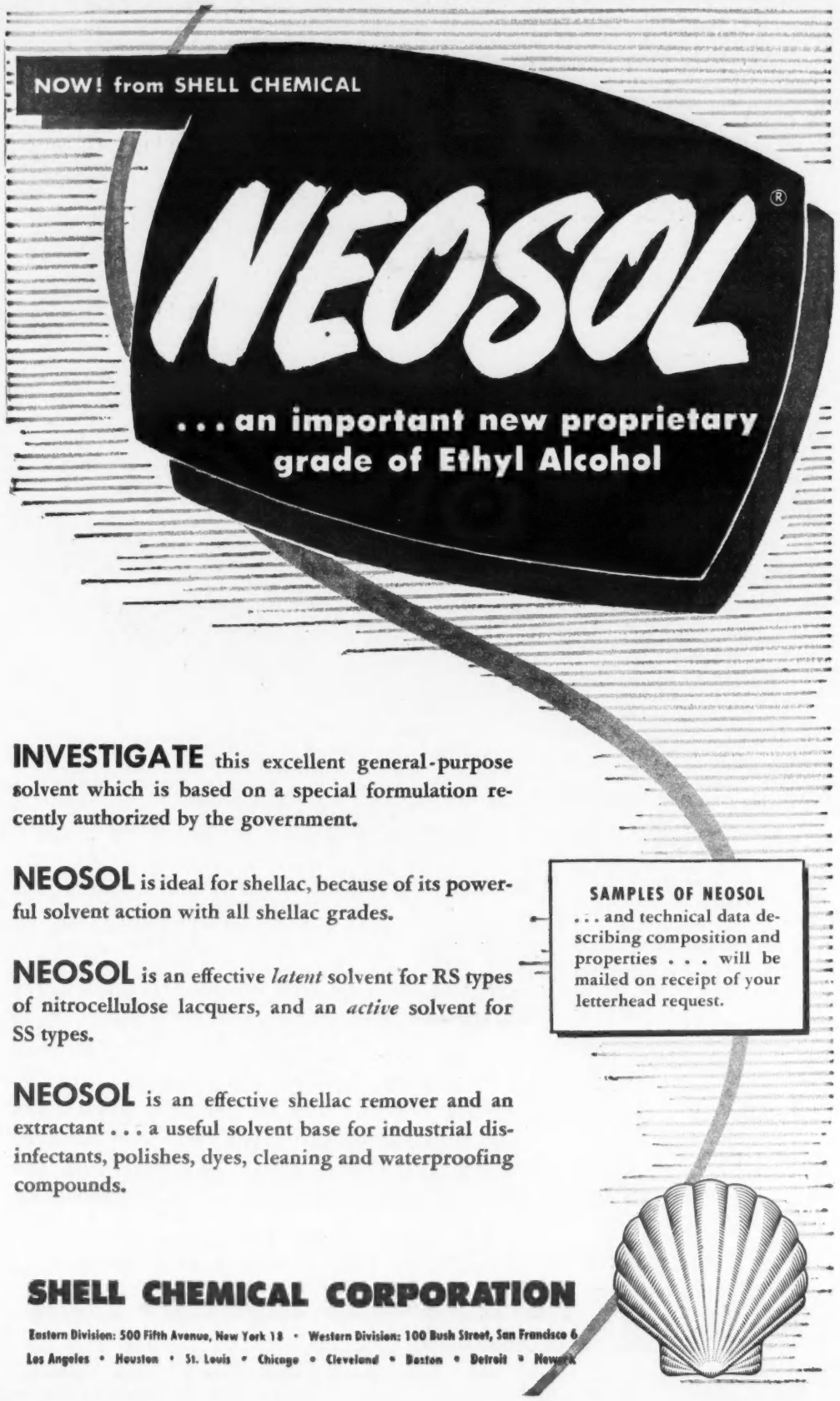
NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, N. Y.

Liquid Chlorine • Caustic Potash • Carbonate of Potash • Paradichlorobenzene • Caustic Soda • NIALK TRICHLORethylene

China Clay—Cutch Extract

China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton.12.50 -13.00
i.c.l., works ton.13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
i.c.l. works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works.ton.13.00 - —
paper bgs., c.l., works ton 15.00 - —
imported, white lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net ton.16.00 -35.00
powd., bgs., c.l., ex dock ton.45.00 - —
i.c.l., ex whse ton.50 00 -55.00
Chloral, tech., dms., c.l., works lb. .41 - —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Hydrate, USP, jars lb. 1.05 - 1.15
Chloramine T, NF, bbls., works lb. .75 - —
Chlordane, agricultural, dms., l.c.l., stock points lb. .82 - 2.00
refined, dms., stock points lb. .97 - 2.15
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, obls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots. lb. 4.00 - 4.50
Chloropicrin, com'l, bots. lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 3.00 - 3.10
feed grade, fib. dms., works lb. 2.20 - —
Dihydrogen citrate, fib. dms., works lb. 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7%, bbls., cs. lb. .08 - .08½
8½%, bbls., cs. lb. No stocks
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 - 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs oz. .95 - —
Sulphate, cns., 100 oz. oz. .55 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., cns., 100 ozs. oz. .65 - —
Sulphate, N.F., cns., 100 ozs. oz. .42 - —
Cinchophen, NF, heavy, dms., works lb. 3.70 - 4.05
Standard, dms., works lb. 3.50 - 3.85
Cinchophen-sodium, standard, dms., works lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms. lb. .83 - .90
Cinnamon, Ceylon, No. 1, bls lb. .17 - .17½
Citral, bots., cns lb. 3.60 - 5.00
Citronellal, bots., dms lb. 2.50 - 7.75
Citronellol, bots., dms lb. 2.95 - 4.75
Civet, bots oz. 5.50 -15.00
Clove, Madagascar, bls lb. .20½- .21
futures, bls lb. .19½- .20
Zanzibar, bls lb. .25½- .26
futures lb. .23½- .24
Clover tops, red, dom., bgs lb. .55 - .65
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .63 - —
smaller lots, same basis lb. .65 - .75
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - .72
tech., low vis., dms., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse. gal. .14½- —
refd., resale, bbls., c.l., ex-whse. gal. .25½- —
l.c.l., ex-whse. gal. .27 - —
tanks, ex-whse gal. .15½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs. lb. 1.65 - —
Cobalt chloride, kgs., works lb. .91¼- —
feed grade, 24.5% Co, kgs. lb. .91¼- —
Hydrate, bbls lb. 2.13 - —
feed grade, 62% Co, kgs. lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Naphthenate, liq., 6% Co, dms. lb. .37¼- —
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34%, Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt salts, prices are on dlvd., basis.
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - 70
Cocillana bark, bgs lb. .16 - .17
Cocoa butter, bgs lb. .46 - .47
Codeine, NF, cns., 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP, cns., 100 ozs oz.10.25 - —
Sulphate, USP, cns., 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .24 - .26
Blue, root, bls lb. .17 - .19
Colchicine, USP, bots., cns oz.145.00 - 160.00
Colchicum root, bls lb. .60 - .65
Seed, bgs lb. 2.25 - 2.50
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½- .30½
Colocynth, pulp, bls lb. .35 - .40
Colombo root, bls lb. .18 - .23
Coltsfoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .18 - .20
Copaiba balsam, cns., dms lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bbls lb. .218 - .2525
Chloride, anhyd., bbls., works lb. .25½- —
crystals, bbls., works lb. .17¼- —
Citrate, USP, 5-lb bots lb. 2.40 - —
Cyanide, tech., bbls lb. .45 - .48
Gluconate, dms., cns lb. 3.00 - 3.20
Hydrate, dms., dlvd. E. Miss lb. .24¼- .24¾
Metal, electrolytic, dlvd lb. .17⅞- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¼- —
Nitrate, tech., cryst., bbls., works. lb. .21¼- —
Oleate, liquid, 8.5% Cu, bbls lb. .27 - —
solid, 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .24¼- .26¾
red, com'l, bbls., works lb. .26½- .30
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27¼
Quinolate lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .23½- —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 8.00
CP, cryst., gran., dms., works. lb. .12¾- —
monohydrated, 35%, dms., c.l., dlvd 100 lbs.11.90 - —
tribasic, dealers, bgs., c.l., works lb. .1815- —
l.c.l., works lb. .2050- —
USP, gran., cryst., dms lb. .10 - .26
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.60
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.175.00 - —
Pacific ports ton.170.00 - —
Coriander seed, Argentine, bgs., futures lb. .06½- .06¾
Italian, bgs lb. .07 - .08
Moroccan, bgs lb. .06½- .07
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.73 - —
bbls., c.l., same basis 100 lbs. 5.78 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.10 - —
l.c.l. 100 lbs. 6.20 - —
Cornsilk, bls lb. .15 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .28 - .30
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills ton.69.00 -70.00
Coumarin, cns., 25 lb lb. 2.75 - —
smaller lots lb. 2.80 - 2.90
powd., cans lb. 3.00 - 3.05
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .28 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .29½- —
smaller lots lb. .30 - .31
imported, kgs lb. .24 - .26
Creosote, coaltar, crude, tanks, works gal. .16 - .18
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works gal. .20 - —
NF, beechwood, bots, cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 - —
Pinewood, dms gal. .31 - .33
Creosote carbonate, NF, bots., cbys. lb. 2.35 - 2.40
Cresol, tech., dry, above 207°C. non-non-ret. dms., c.l. frt. equald. lb. .1255- —
l.c.l. same basis lb. .1285- —
ret.-dms., c.l., same basis. lb. .1225- —
l.c.l. same basis lb. .1255- —
tanks, same basis lb. .1125- —
USP, non-ret., dms., c.l., same basis lb. .1280- —
l.c.l., same basis lb. .1310- —
ret., dms., c.l., same basis lb. .1250- —
l.c.l., same basis lb. .1280- —
tanks, same basis lb. .1150- —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½- —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.12.75 - —
bbls., l.c.l., works 100 lbs.13.75 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .30 - —
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs lb. .35 - .40
powd., cs lb. .45 - .50
Culvers root, bbls lb. .50 - .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Morocco, bgs lb. .22 - .22½
Persian, bgs lb. .22 - .22½
Syrian, futures, bgs lb. .21½- .22
Cutch, extract, 55% tannin, bgs., ex dock lb. .08½- —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...an important new proprietary grade of Ethyl Alcohol
INVESTIGATE this excellent general-purpose solvent which is based on a special formulation recently authorized by the government.
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NEOSOL is an effective latent solvent for RS types of nitrocellulose lacquers, and an active solvent for SS types.
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this CRIMP in your business— will pay off!

our new Strong Cobb Seal Crimp machines give you packaged tablets at less cost!

1. Heavy protective containers eliminated! **2.** Each tablet *seal-crimped* in individual air-tight, moisture-resistant compartment!

3. Eliminates shipping bulk tablets to packaging plant! **4.** Spoilage in packaging reduced—yield increased!

5. Laboratory control from raw materials to delivered package.

6. One operation . . . tablets manufactured and wrapped in cellophane, silver foil, gold foil, etc.—in one plant.

During the past twelve months, Strong Cobb produced over 1,413,000,000 plain compressed and coated tablets.

Now we deliver your tablets—individually *seal-crimped*—and wrapped in your regular trade packages!

With Strong Cobb as their manufacturers, hundreds of drug companies forget manufacturing troubles and concentrate on the job of selling.

STRONG COBB

Strong Cobb & Co. Inc.

2654 Lisbon Road, Cleveland 4, Ohio

Originators and Developers of the AMPIN for Automatic and Subcutaneous and Intramuscular Injection.

STRONG COBB & CO., INC., Dept. OPD
2654 Lisbon Road, Cleveland 4, Ohio

Gentlemen: Please send me samples of your seal-crimped tablets.

NAME_____

COMPANY_____

STREET_____

CITY_____ ZONE_____ STATE_____

Cyanamide—Divinylbenzene

Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk unit-ton. 2.85 - —
pulv., 21% N., bgs., same basis unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½- .12⅛
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11⅛
Cyclohexanol, tech., dms., c.l., works. lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½- .30
lb .27 - .31
l.c.l., works lb. .25 - .29
tanks, works lb .24 - —
Cyclohexylamine, dms., works lb .34 - —
Cyclopropane, USP, 2 lb. cyls, works, cyl.40.00 - —
6 oz. cyls., works cyl.10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, fib., dms., c.l., works, frt., equald lb. .75 - —
l.c.l., same basis lb. .83 - .90
Damiana leaves, bls lb. .40 - .45
Dandelion root, bls lb. .35 - .40
DDD, tech., fine grd., fib., dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works lb. .31 - —
smaller lots, works lb. .34 - .34
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd. lb. .36½- —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls lb. .30 - .35
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton.44.15 -55.75
Rock, paper bgs., works ton.34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .20 - .22
over 2% ffa., bbls lb. .19 - .21
Derris root, 5% rotenone, powd lb. .33 Nom.
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.22 - —
Chicago 100 lbs. 6.60 - —
l.c.l. 100 lbs. 7.37 - —
Canary, paper bgs., c.l. 100 lbs. 6.96 - —
Chicago 100 lbs. 6.34 - —
l.c.l. 100 lbs. 7.11 - —
dark, paper bgs., c.l. 100 lbs. 7.16 - —
Chicago 100 lbs. 6.44 - —
l.c.l. 100 lbs. 7.21 - —
white, paper bgs, c.l 100 lbs. 6.81 - —
Chicago 100 lbs. 6.19 - —
l.c.l. 100 lbs. 6.96 - —
Corn dextrin in cotton bgs., 17c. higher.
Potato, bgs lb. .10½- 10¾
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.00 5.55
laboratory grade, bots 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl)
Phthalate, dms., c.l., dlvd. E lb. .35½- —
l.c.l., dlvd. E lb. .36½- —
tanks, dlvd. E lb. .34 - —
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.00
California ton.38.00 -40.00
l.c.l., ex whse ton.80.00 - —
purified, bgs., c.l., Atl. coast ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .66½- —
l.c.l., works lb. .67 - —
tanks, works lb. .65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½- —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd lb. .31½- —
tanks, dlvd lb. .29 - —
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
tanks, works lb. .49½- —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .51½- .52⅛
l.c.l., frt. alld lb. .52½- .53⅛
tanks, frt. alld lb. .49 - .50
Dicapryl sebacate, dms., c.l., works. lb. .54½- —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42⅛- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36½- —
l.c.l., same basis lb. .37½- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50½- —
l.c.l., dlvd lb. .51½- —
tanks, dlvd lb. .50 - —
Oxalate, dms., c.l., frt. alld lb. .34½- .35⅛
l.c.l., same basis lb. .35½- .36½
tanks, same basis lb. .34 - —
Phthalate, dms., c.l., dlvd lb. .26 - .27⅛
l.c.l., dlvd lb. .27 - .28
tanks, dlvd lb. .24½- .26
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms. lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works. lb. .40 - —
Monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½- —
tanks, works lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb .50 - —
Diethylstilbestrol, USP, bots kilo.260.00 -300.00
Digitalin, cryst., bots gram.15.00 -18.00
powd., bots oz.25.00 -30.00
Ditigtalis leaves, dms lb. .70 - .85
Diglycol laurate, dms lb. .34 - .36
Oleate, light, dms lb. .26 - .28
Stearate, dms lb. .27 - .29
Dihexyl sebacate, dms., c.l., works, lb. .42½- —
l.c.l., works lb. .43 - —
tanks, works lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .80 - —
wholesalers, vials gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 1.00
smaller containers lb. 1.05 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .14½- —
tanks lb .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .41½- —
l.c.l., same basis lb. .42½- —
tanks, same basis lb. .40 - —
Dillseed, natural, bgs lb. .12½- .13
dewhiskered, bgs lb. .13 - .14
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .69½- —
l.c.l., works lb. .70 - —
tanks, works lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16½ —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .38 - .38½
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l. lb. .25 - —
tanks lb. .21 - —
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, crude, bbls lb. .16 - —
Dinitrochlorobenzene, 47%, m.p., c.l., dms lb. .13½- .14
l.c.l. lb. .14 - —
tanks lb. .13¼- —
Dinitrophenol, bbls. lb. .28 - —
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms. lb. .21 - —
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .41¼- —
l.c.l., frt. alld lb. .42½- —
tanks, frt. alld lb. .40 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .59 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .48
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.50 - 3.75
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton.68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb .60 - .65

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DDT Government Specifications
2, 4-D Acid, Salt and Isopropyl Ester
TRICRESYL PHOSPHATE
ERGOSTEROL
(Non Irradiated)

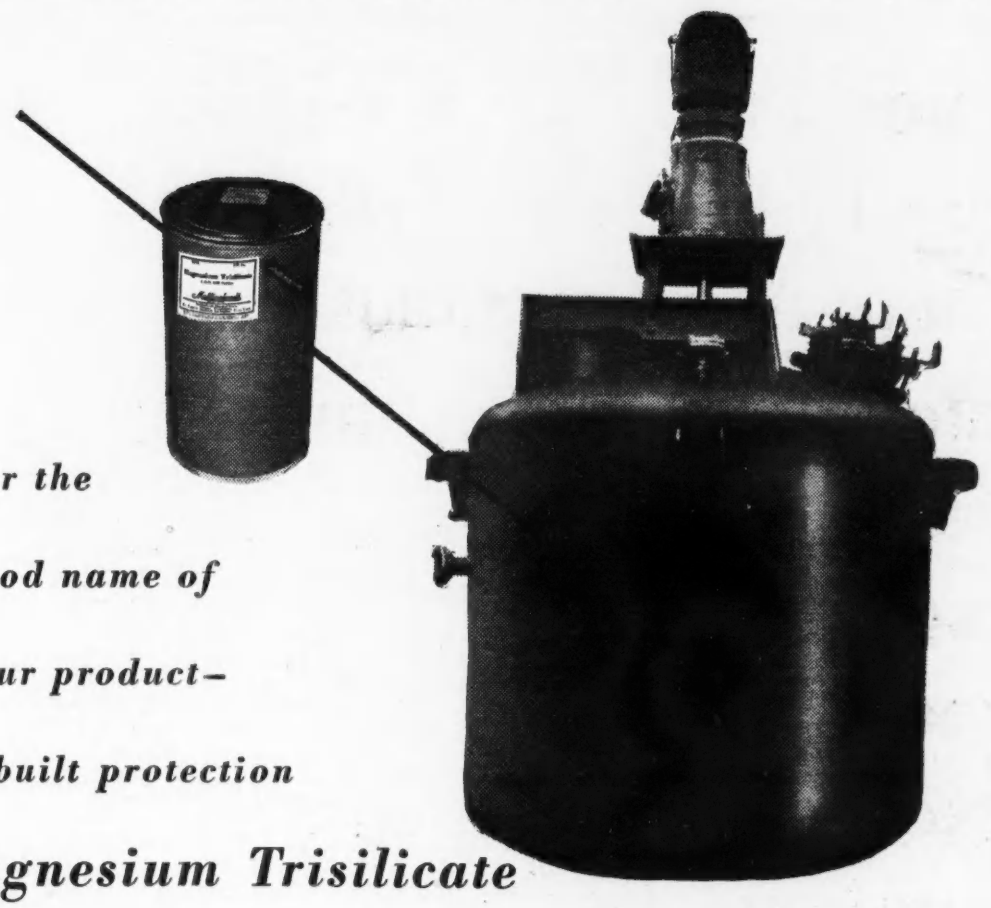
MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N.Y. TRIBUNE TOWER, CHICAGO, ILLINOIS

Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .25
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.10 - 1.25
reeds, cs lb. 1.75 - 2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.85
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.65 - 4.75
Red, FD&C, No. 1, cns. lb. 7.55 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb.22.20 -22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.80 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb.20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb.10.95 - —
No. 18, cns. lb.24.00 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns. lb.17.45 - —
Violet, D&C, No. 1, cns. lb.16.10 - —
No. 2, cns. lb.16.10 - —
Yellow, D&C, No. 7, cns. lb.10.95 - —
No. 8, cns. lb.10.95 - —
No. 10, cns. lb.13.50 - —
No. 11, cns. lb.13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb.14.65 - —
No. 37, cns. lb.13.55 - —
Dyes, coaltar, certified colors, for drugs and cosmetics, external use, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns. lb.16.10 - —
Red, Ext. D&C, No. 1, cns. lb.13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb.10.95 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G lb. .82 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .97 - —
79 Ponceau R lb. .68 - —
151 Orange II lb. .44 - —
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .80 - —
179 Azo rubine lb. .95 - —
180 Diamond blue 3B lb. .84 - —
185 Cochineal red A lb. .85 - —
202 Chrome blue black R lb. .62 - —
203 Chrome black T lb. .72 - —
208 Sulphon acid blue R lb. .83 - —
216 Acid alizarin red B lb. .77 - —
234 Resorcin brown lb. .82 - —
246 Naphthol blue black lb. .78 - —
278 Benzo fast red SBL lb 2.96 - —
289 Sulphon cyanine 5R extra lb. 1.00 - —
299 Diamond black F lb. 1.38 - —
304 Nerol 2B lb. 1.83 - —
326 Benzo fast orange S lb. 1.57 - —
332 Bismarck brown R lb. .78 - —
365 Chrysophenine lb. 2.14 - —
382 Diamine scarlet B lb. 1.56 - —
401 Diamine black BH lb. .58 - —
406 Benzo blue 2B conc. lb. .98 - —
419 Diamine fast red F lb. 1.05 - —
420 Diamine brown M lb. .82 - —
448 Benzo purpurine 4B lb. 1.08 - —
518 Diamine sky blue FF lb. 1.48 - —
561 Trisulphon brown B lb. 1.78 - —
581 Direct deep black EW extra. lb. .81 - —
593 Diamine green B lb. .60 - —
598 Congo brown G lb. 1.20 - —
620 Sun yellow lb. .84 - —
639 Xylene light yellow lb. 1.77 - —
640 Tartrazine lb. 1.34 - —
655 Auramine lb. 1.69 - —
657 Malachite green lb. 1.93 - —
662 Brilliant green lb. 2.55 - —
667 Brilliant milling green B lb. 3.27 - —
671 Glaucine lb. 1.54 - —
680 Methyl violet B lb. .95 - —
681 Crystal violet lb. 1.91 - —
698 Formyl violet S4B lb. 1.51 - —
720 Chrome azurol B lb. 3.60 - —
729 Victoria blue B lb. 2.68 - —
737 Wool green S lb. 2.14 - —
749 Rhodamine B lb. 3.85 - —
814 Chloramine yellow lb. 2.76 - —
841 Satranine lb. 2.53 - —
865 Nigrosine WSJ 78 lb. .56 - —
922 Methylene blue GXX lb. 1.28 - —
969 Hydron blue R lb. .72 - —
978 Sulphur black T extra lb. .28½- —
1027 Alizarin VI lb. .64 - —
1034 Alizarin red S lb. 2.30 - —
1054 Alizarin saphiro B lb. 2.59 - —
1078 Alizarin cyanine green lb. 2.61 - —
1085 Alizarin blue black B lb. 2.13 - —
1096 Indanthrene golden orange G, single paste lb. 1.96 - —
double paste lb. 3.92 - —
1099 Indanthrene dark blue BO, single paste lb. 1.72 - —
1101 Caledon jade green lb. 2.32 - —
1106 Indanthrene blue RS, single double paste lb. 2.52 - —
double paste lb. 2.13 - —
1113 Indanthrene blue GCD, double paste lb. 1.72 - —
1130 Indanthrene olive R, single paste lb. 1.03 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb. 1.57 - —
p-4 Acid anthracine brown P.G. lb. 2.48 - —
p-14 Anthracene chromate brown EB lb. 1.25 - —
p-24 Benzo fast black L lb. 1.94 - —
p-30 Diazo brilliant scarlet ROA lb. 2.55 - —
p-202 Zambesi black V lb. 1.07 - —
p-244 Celliton scarlet B lb. 1.37 - —
p-313 Naphthol AS-SW lb. 2.74 - —
Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 5[illegible] lb. .72 - —
Jet, No. 551 lb. .79 - —
Brown, R, conc lb. 1.44 - —
Orange R, brilliant lb. .80 - —
Red 4 B, conc lb. 1.22 - —
Yellow, C lb. 1.05 - —
FN, conc lb. 1.03 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O lb. 1.66 - —
Black, basic, blue lb. 1.06 - —
Jet lb. 1.06 - —
Blue, methylene, 2 B, conc lb. 1.44 - —
Brown, Bismarck, R, conc. lb. .78 - —
Chrysodine, R, extra lb. .54 - —
Y, extra lb. .58 - —
Fuchsine, conc lb. 2.84 - —
Green, malachite, conc. lb. 1.80 - —
Rhodamine, B lb. 3.97 - —
Safranine, Y, conc lb. 2.66 - —
Violet, methyl, B lb. 1.03 - —
Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Black, acid blue, B, extra lb. .76 - —
Orange, acid, Y, conc lb. .43 - —
Rhodamine, azo-R, extra, conc.
Rhodamine, R, extra, conc lb. 3.07 - —
Scarlet, croceine, MOO lb. 1.33 - —
Yellow, azo-, conc lb. .32 - —
Fast light, 3 G, extra lb. 1.99 - —
Methanil, conc lb. .83 - —
Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .47 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.23 - 1.30
tanners, bbls lb. .06½- .07
Elder flowers, bright, bls lb. .40 - .50
Elecampane root, bls lb. .22 - .25
Elm bark, grinding, bls lb. .34 - .35
powd., bbls., bxs lb. .45 - .47
select, bndls lb. .58 - .65
Emetine hydrochloride, USP, bots. oz.38.75 -42.00
Ephedra herb, bls lb. .18 - .37
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .93 - —
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - —
tanks, works lb. .35 - —
Epinephrine, synth., USP, bots gram .60 - .70
Epsom salt, tech., bgs., c.l., works. 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works. 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergot, NF, dms., tin-lined lb. 2.25 Nom.
Eserine, bots oz.55.00 -56.00
Salicylate, USP, bots oz.38.75 -39.75
Sulphate, bots oz.60.00 -61.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .29 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works. lb. 16½- —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.00 - —
75 cc. hospitals bot. 1.56 - —
Ether, ethyl, absolute, ACS, dms. lb. .30 - —
anesthesia, USP, hospital, cns. lb. .75 - .90
industrial, USP, dms., c.l., dlvd. lb. .12 - —
l.c.l., same basis lb. .13 - —
tanks, same basis lb. .10 - —
synthetic, dms., incl., dlvd. East, lb. .10½- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .08½- —
Isopropyl, dms., c.l., dlvd lb. .06 - —
l.c.l., dlvd lb. .06½- —
tanks, dlvd lb. .04½- —
Nitrous, conc., bots., 100 lbs lb. 1.03 - 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .10½- —
l.c.l., frt. alld lb. .11½- —
tanks, frt. alld lb. .09 - —
95-98%, dms., c.l., frt. alld. lb. .10¾- —
l.c.l., frt. alld lb. .11¾- —
tanks, frt. alld lb. .09¼- —
99%, dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld lb. .12 - —
tanks, frt. alld lb. .09½- —
synthetic, 85-90%, dms., c.l., frt. alld lb. .10½- —
l.c.l., frt. alld lb. .11½- —
tanks, frt. alld lb. .09 - —
95-98%, dms., c.l., frt. alld. lb. .10¾- —
l.c.l., frt. alld lb. .11¾- —
tanks, frt. alld lb. .09¼- —
99%, dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld lb. .12 - —
tanks, frt. alld lb. .09½- —



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Custom-built protection

Magnesium Trisilicate

Protect your product. Safeguard its quality by using the purest basic fine chemicals.

You are assured chemicals of unsurpassed purity when you use Mallinckrodt chemicals. Each new lot of every Mallinckrodt chemical meets the same high standards as former lots. These fine chemicals are available in different grades to meet every manufacturing need.

MAGNESIUM TRISILICATE
is supplied in three grades:

Magnesium Trisilicate U.S.P. Powder
Magnesium Trisilicate U.S.P. Bulky
Magnesium Trisilicate U.S.P. Super Bulky

THREE FINE, WHITE, ODORLESS, TASTELESS, GRITLESS POWDERS

Equal in purity. Different in density or bulk.

	Powder Grade	Bulky Grade	Super Bulky
Bulk	*about 45 fl. oz. per lb.*	*about 75 fl. oz. per lb.*	*about 130 fl. oz. per lb.*
Particle Size	*37% less than 3 microns* *86% " " 20 "* *92% " " 44 "* *100% " " 88 "*	*50% less than 3 microns* *89% " " 20 "* *99% " " 44 "* *100% " " 88 "*	*100% through a 325 mesh sieve, and thus less than about 44 microns.*
Adsorptive Power	*100 mg. of Methylene Blue per gram*	*app. 200 mg. of Methylene Blue per gram*	*app. 150 mg. of Methylene Blue per gram*

Whether your finished product be tablet, suspension or powder—there is a Mallinckrodt grade to meet your chemical and physical requirements.

If you use Magnesium Trisilicate in alkaline mixtures, Mallinckrodt supplies top-quality companion products, such as Magnesium Carbonate, Calcium Carbonate and Bismuth Subcarbonate. Write to your nearest Mallinckrodt office for a complete catalogue.

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Ethyl Acetoacetate—Glycerin

Ethyl acetoacetate, dms., c.l., dlvd. lb. .47½- —
l.c.l., dlvd. lb. .48½- —
tanks, dlvd. lb. .46 - —
Benzoate, dms lb. .68 - —
Betaethoxypropionate dms. works lb. .70 - —
Bromide, tech., 98%, dms lb. .39 - .41
Butyrate, bots. gal. 4.75 - —
cns., works lb. .65 - .70
dms., works lb. .60 - —
Carbamate (see Urethane).
Chloride, tech., tanks lb. .13½- —
USP, bbls., cyl lb .20 - .22
Cinnamate, cns lb. 2.30 - 3.60
Formate, dms lb. .38 - —
Iodide, bots lb. 4.08 - 4.27
Lactate, dms., works lb. .41 - —
Methycrylate, M-2, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-2, cns., works lb. .65 - —
Myristate, dms., works lb. No prices.
Nitrite (see Ether, nitrous).
Oenanthate, dms. lb. 1.00 - 2.00
Oleate, dms., l.c.l., works lb. .53 - —
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethyl-orthosilicate)
40% available SiO_2, dms. works lb .55 - —
Ethylalphanaphthylamine, dms lb. .80 - —
Ethylanilin, dms lb. .60 - —
Ethylbenzene, dms., c.l. lb. .14 - —
l.c.l. lb. .15 - —
tanks lb. .13 - —
Ethylcellulose, fib dms., 5,000 lbs., works lb. .52 - —
smaller lots, works lb. .54 - .62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies lb. .09¼- —
Ethylene dichloride, dms., c.l., works, frt. alld., W. of Rockies lb. .10½- —
l.c.l. works, frt. alld., E. of Rockies lb. .10½- —
W. of Rockies lb. .11½- —
tanks, frt. alld. E. Rockies lb. .08 - —
W. of Rockies lb. .09 - —
Oxide, cyls., c.l., works lb. .23¾- .25
l.c.l., works lb. .24¾- .26
tanks, works and frt. equald. or alld lb. .15¾- .16¾
Trichloride (see Trichloroethylene).
Ethylenediamine, tanks, works lb. .50 - —
Ethyleneglycol, dms., c.l., frt. alld. E lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14½- —
Diethylether, dms., l.c.l., works lb. .50 - —
Monobutylether, dms., c.l., works. lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .16½- —
l.c.l., works lb. .17 - —
tanks, works lb. .15 - —
Monomethylether, d m s., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Monomethylether acetate, dms., c.l., works lb. .24½- —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monostearate, dms lb. .38 - .40
Ethylethanolamines, mixed, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
Ethylmorphine hydrochloride, USP, bots. oz. 11.85 - —
Ethylorthotoluidine, bbls lb. .80 - —
Ethylvanillin, cns., 5 lbs. or more lb. 6.75 - —
smaller lots lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms ip. 1.75 - 2.05
Eucalyptus leaves, bls lb. .10 - .12
Eugenol, prime, USP lb. 2.00 - 2.50
Euphorbia, pil., herb, bls lb. .18 - .20

F

Feldspar, enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works ton. 11.75 -12.50
bulk, c.l., works ton. 18.00 -20.00
Pottery, bgs., 2 ton lots, works. ton. 20.00 -22.00
bulk, c.l., works ton. 17.00 -19.00
Fennel seed, Argentine, bgs lb. .09¾- .10½
French, bgs lb. .12 - .12½
Indian, bgs lb. .12 - .12½
Fenugreek, domestic, bgs. lb. No stocks.
futures, bgs. lb. .11½- .12
futures, bgs. lb. .10¼- .10½
Moroccan, bgs lb. .11 - .11½
Ferric-ammonium citrate (see iron-ammonium citrate).
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11 - —
water-white, cs., works lb. .13 - —
Fir balsam, Canada, cns. gal. 32.50 -33.00
Oregon, bbls gal. 2.35 - 2.45
Fishberries, bgs lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 175.00 - —
65% protein, bgs., Balto. area. ton. 180.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area ton. 165.00 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls. lb. .45 - .47
Fluorspar, acid grade, bgs., c.l., mines ton. 47.50 - —
l.c.l., mines ton. 49.50 - —
bulk, contract, c.l., mines ton. 42.00 - —
noncontract, c.l., mines ton. 45.00 - —
l.c.l., mines ton. 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net ton. 39.00 -41.00
powd., 90-92% ton. 41.00 - —
foundry grade, lump, 55-60%, ton. 34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton. 35.00 -37.00
65%, bulk, c.l., mines ton. 34.00 -36.00
60%, bulk, c.l., mines ton. 33.00 -35.00
less than 60%, bulk, c.l., mines. ton. 32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
l.c.l., E. works lb. .0620- —
tanks, E. works lb. .0370- —
methanol-free (uninhibited), tanks, works lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and 020 for uninhibited

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines ton. 30.00 - —
Tex., mines ton. 27.00 - —
spent, bulk, Bayonne ton. 2.00 - 4.00
imp., bgs., c.l. ton. 30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .09½- —
Fusel oil, refined, dms., c.l. lb. .23½- —
l.c.l. lb. .24½- —
tanks lb. .22 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .42½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
liquid, No. 0, bbls., l.c.l. lb. .22 - —
No. 1, bbls., l.c.l. lb. .20½- —
No. 2, bbls., l.c.l. lb. .19½- —
No. 3, bbls., l.c.l. lb. .17 - —
solid, No. 1, bxs., l.c.l. lb. .28 - —

G

G salt, bbls lb. .59 - .60
Galangal root, bls. lb. .14 - .15
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 74-76 octane, tanks. gal. .10375- —
Bayonne, 76 octane, tanks. gal. .116 - —
Gulf coast, 74-76 octane, tanks. gal. .10 - .11
Group 3, 74-76 octane, tanks. gal. .10 - .10375
Pennsylvania, western, U. S. motor, 74-76 octane, leaded tanks gal. .12 - —
natural, 26-70 octane, group 3, tanks gal. .055 - —
Gelatin, silver label, cs., works lb. 1.20 - —
Gelsemium root, bls lb. .25 - .30
Gentian root, bls lb. .13 - .16
grd., bbls., bxs lb. .17 - .19
powd., bbls., bxs lb. .18 - .20
Geraniol, extra, cns., dms lb. 2.50 - 2.75
prime lb. 2.20 - 2.40
Geranyl acetate, cns. lb. 2.65 - 3.90
Ginger, oleoresin, bots. lb. 4.50 - 4.75
Root, African, bls. lb. .36 - .37
Cochin, bleached, bgs lb. No stocks.
unbleached, bgs lb. .20 Nom.
Jamaica, No. 1, bgs. lb. .40 - .41
No. 2, bgs lb. .36 - .37
No. 3, bgs lb. .35 - .36
Rhattoon, bgs. lb. .34 - .35
Ginseng root, cs lb. 12.00 -16.00
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 2.00 - —
l.c.l. bgs., works 100 lbs. 2.25 - 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .14½- —
40-65, bgs., c.l., same basis lb. .16½- —
65-80, bgs., c.l., same basis lb. .18 - —
95-145, bgs., c.l., same basis lb. .22½- —
145-180, bgs., c.l., same basis lb. .25 - —

Bone glue, l.c.l., prices, 1c. higher than c.l.

ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .16 - —
l.c.l., same basis lb. .17 - —
pulverized, 50-60 jellygrams, bgs., c.l., (50,000 lbs.) same basis lb. .18½- —
l.c.l., same basis lb. .19½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .22 - .25
122-149, bgs., c.l., dlvd lb. .23 - .26
150-177, bgs., c.l., dlvd lb. .24 - .27
178-206, bgs., c.l., dlvd lb. .25 - .29
207-236, bgs., c.l., dlvd lb. .26 - .30
237-266, bgs., c.l., dlvd lb. .27 - .31
267-296, bgs., c.l., dlvd lb. .28 - .32
299-330, bgs., c.l., dlvd lb. .29 - .33
331-362, bgs., c.l., dlvd lb. .30 - .33
363-394, bgs., c.l., dlvd lb. .31 - .34
395-427, bgs., c.l., dlvd lb. .32 - .35
428-460, bgs., c.l., dlvd lb. .33 - .36½
461-494, bgs., c.l., dlvd lb. .34 - .38
495-529, bgs., c.l., dlvd lb. .35 - .39

Hide glue, l.c.l., prices 1c. higher than c.l.; bbls., ½c. more than bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .16¾- .18¾
soaplye, 80%, tanks, dlvd lb. .15¼- .16¼
dynamite, dms., c.l., dlvd lb. .24 - —
l.c.l., dlvd lb. .24½- —
tanks, dlvd lb. .23½- —
high gravity, dms., c.l., dlvd lb. .24¼- —
l.c.l., dlvd lb. .24¾- —
tanks, dlvd lb. .23¾- —
refined, BP, 98%, dms., c.l., dlvd. lb. .25½- —
l.c.l., dlvd lb. .26 - —
tanks, dlvd lb. .25 - —
USP, c.p., 95%, dms., c.l., dlvd. lb. .24¾- —
l.c.l., dlvd lb. .25¼- —
tanks, dlvd lb. .24¼- —
yellow, distilled, dms., c.l., dlvd lb. .24⅛- —
lb. .24⅛- —
l.c.l., dlvd lb. .24⅝- —
tanks, dlvd lb. .23⅝- —

Better Late Than Never

"DOC" MacGEE SAYS:

First it was an impure shipment of solvent. Then a batch was ruined because the solvent left a foreign odor. Finally the solvent supplier failed to ship on time, throwing production schedules off and costing the plant thousands of dollars and causing plenty of trouble.

Doing what he now was convinced he should have done before, the manager called in a SKELLYSOLVE man. "Better late than never," said the friendly expert from Skelly as the two went to work on plans for using SKELLYSOLVE in the plant.

It's unfortunate that any industrial user of solvents has to experience losses and inconveniences like these before switching to SKELLYSOLVE. Time has proved that such difficulties practically *do not exist* where SKELLYSOLVE is employed. Made by the *pioneer* large-scale producer of hexane, heptane, and octane type naphthas from natural gas, SKELLYSOLVE is always pure, always uniform, always free of foreign tastes and odors.

Too, SKELLYSOLVE'S famed *dependability of supply* is a well-known fact. Skelly keeps users supplied with special fractions—sometimes under unusual emergency conditions. And when special help or counsel is needed, a fully-trained staff of Technical Fieldmen is available on call.

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Skellysolve

SKELLY

SOLVENTS DIVISION, SKELLY OIL COMPANY, KANSAS CITY, MO.

Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .28 - .30
Glyoxal, 30%, dms., c.l., works..lb. .17½- —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .17 - —
Gold chloride, acid-brown, bots...oz.22.00 -22.25
acid-yellow, bots.....oz.20.00 -20.25
Gold of pleasure seed, bgs.....lb. .40 - .41
Goldenseal root, bls.....lb. 3.65 - 4.00
powd. bxs.....lb. 4.25 - 4.50
Gold-sodium chloride, photo, bots oz.13.50 -14.00
USP (X, bots .....oz.14.50 -15.00
Grains of paradise, bgs.....lb. .28½- .29
Graphite, imported, amorph., powd., bgs., dlvd lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. .21 - .22
No 2 whse .....lb. .23 - —
Grease, house, loose, dlvd.....lb. .04¾- —
White, choice, loose.....lb. .06¼- —
Wool (see Degras and Lanolin).
Yellow, loose .....lb. .05 - —
Green, brilliant, thioflavin, toner, molybdic, kgs., works. lb. 4.25 - 4.50
Tungstic, kgs.,works .... lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .36 - —
6-10%, bbls., same basis . lb. .37 - —
11-15%, bbls., same basis . lb. .38 - —
16-20%, bbls., same basis. lb. .38½- —
21-25%, bbls., same basis . lb. .39¼- —
26-30%, bbls., same basis . lb. .39¾- —
31-35%, bbls., same basis . lb. .40¾- —
36-40%, bbls., same basis . lb. .42½- —
41-45%, bbls., same basis . lb. .44 - —
46-50%, bbls., same basis . lb. .45¾- —
50% and over, bbls., same basis lb. .46¾- —
reduced color, 5%, bbls., same basis lb. .12¾- —
6-10%, bbls., same basis . lb. .13½- —
11-13%, bbls., same basis . lb. .14 - —
14-16%, bbls., same basis . lb. .14¾- —
17-19%, bbls., same basis . lb. .15 - —
20-21%, bbls., same basis . lb. .15¼- —
22-23%, bbls., same basis . lb. .15½- —
24-25%, bbls., same basis . lb. .15½- —
26-27%, bbls., same basis . lb. .16 - —
28-29%, bbls., same basis . lb. .16½- —
30-31%, bbls., same basis . lb. .17½- —
32-33%, bbls., same basis . lb. .18¾- —
34-35%, bbls., same basis . lb. .19¾- —
36-40%, bbls., same basis . lb. .22½- —
41-45%, bbls., same basis . lb. .24¾- —
46-50%, bbls., same basis . lb. .26¼- —
51-55%, bbls., same basis . lb. .26 - —
56-60%, bbls., same basis . lb. .26½- —
61-65%, bbls., same basis . lb. .27½- —
66-70%, bbls., same basis . lb. .28¾- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works..lb. .75 - 1.00
pure, bgs., frt. alld..... lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
Tungstic, bbls., works.....lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works. lb. 4.40 - 5.00
Tungstated, brilliant, kgs.....lb. 3.00 - 4.00
Emerald, kgs .....lb. 2.60 - —
Verdigris (see V).
Grindella robusta herb, bls.....lb. .24 - .30
Guaiac resin, NF, cs.....lb. .60 - .65
ordinary, cs. .....lb. .49 - .51
Wood, bls .....lb. .35 - .36
Guaiacol, cryst., tins.....lb. No prices.
Liquid, NF, bots., cbys.....lb. 1.90 - 1.95
Carbonate, dms.....lb. 2.95 - 3.00
Guarana, powd., cs. .....lb. 1.50 - 1.75
Gum, aceroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs. .....lb. .90 - .95
Arabic, amber, sorts, bgs.....lb. .12 - .14
powdered, USP, bbls.....lb. .20½- .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs.....lb. .45 - .50
Camphor (see C)
Copal, Congo, No. 1, bgs.....lb. .25 - .26
No. 2, bgs.....lb. .18 - .20
No. 3, bgs .....lb. .13½- .15
Manila, loba, B, bgs.....lb. .25 - .27
C, bgs.....lb. .23 - .24½
CBB, bgs.....lb. .19 - .20
CNE, bgs.....lb. .13½- .15
DBB, bgs.....lb. .17½- .19⅛
DK, bgs.....lb. .13 - .14
dust, bgs.....lb. .07 - .08
soft, MA, bgs.....lb. .11 - .13½
WS, bgs.....lb. .21 - .22
Philippine, pale, chips, bgs...lb. .18½- .20½
nubs, bgs. .....lb. .22 - .24
seeds, bgs. .....lb. .15 - .16
sorts, bgs. .....lb. .17½- .19½
Pontianak, chips, bgs. .....lb. .22 - .24
nubs, bgs.....lb. .32 - .35
Dammar, Batavia, A/D, bgs...lb. .28 - .30
A/E, bgs.....lb. .22 - .23
dust, bgs.....lb. .08½- .09½
E, bgs .....lb. .13½- .14⅛
East India, batu, bold, bgs..lb. .10 - .11
nubs & chips, bgs. .....lb. .07½- .09
black, bold, bgs.....lb. .12½- .13½
unscraped, bgs. .....lb. .09½- .10½
nubs & chips, bgs. .....lb. .09½- .10½
pale, chips, bgs. .....lb. .13 - .15
nubs, bgs.....lb. .25 - .27
Singapore, No. 1, bgs.....lb. .33 - .35
No. 2, bgs. .....lb. .22 - .23
No. 3, bgs. .....lb. .10 - .12
dust, bgs. .....lb. .09 - .10
seeds, bgs. .....lb. .13 - .14
Elemi, cns.....lb. .21 - .22

Gum, ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. .....lb. .13 - .13½
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc. ..lb. .13 - .13½
Euphorbium, cs.....lb. .35 - .40
Galbanum, cs. .....lb. .75 - .80
Gamboge, pipe, cs .....lb. 1.15 - 1.25
powd., bbls .....lb. 1.35 - 1.40
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs .....lb. .31 - .33
Gualac (see Gualac resin).
Karaya, powd., No. 1 .....lb. .51 - .52
No. 2 .....lb. .47 - .48
No. 3 .....lb. .39 - .40
Kauri, bgs .....lb. .31½- .32¾
Locust bean, powd., bgs.....lb. .31½- .32
Mastic, cs. .....lb. 1.80 - 1.90
Myrrh, cs.....lb. .35 - .38
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs. .....lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. .....lb. .90 - .95
Scammony, cs .....lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.00 - 3.25
No. 2, cs.....lb. 2.40 - 2.65
No. 3, cs.....lb. 2.00 - 2.25
powdered, USP, bbls.....lb. 1.35 - 1.45
Yacca, bgs.....lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald...ton.22.65 - —
Harlem river, N. Y., frt. equald..ton.26.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.30.65 - —
Gypsum, Keane's cement, paper bgs., Southard, Okla., frt. equald ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme., Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.10.50 - —
Harlem river, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.18.00 - —
Saltville, Va., frt equald.. ton. 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, Akron, N. Y., frt. equald
Blue Rapids, Kans., frt. equald..ton. 8.00 - —
Clarence Center, N. Y., frt. equald..ton. 8.00 - —
Fort Dodge, Iowa, frt. equald..ton. 8.00 - —
Grand Rapids, Mich., frt. equald..ton. 8.00 - —
Gypsum, Ohio, frt. equald.. ton. 8.00 - —
Harlem river, N. Y., frt. equald..ton. 8.00 - —
National City, Mich., frt. equald..ton. 8.00 - —
New Brighton, N. Y., frt. equald..ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Gypsum, stucco, paper bgs., Portsmouth, N. H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y., works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs.....lb. .50 - .57
Heliotropin, cryst., cns.....lb. 2.85 - 3.05
Hellebore root, dom., green, bls..lb. .63 - .65
imp., black, whole, bls. .....lb. .20 - .25
ground, bxs. .....lb. .25 - .30
powder, bxs. .....lb. .27 - .32
white, whole, bls. .....lb. .30 - .40
powder, bxs. .....lb. .35 - .45
Hematine extract, cryst., No. 0, bbls., l.c.l...lb. .45½- —
No. 1, bbls., l.c.l. .....lb. .44½- —
No. 1A, bbls., l.c.l. .....lb. .41½- —
No. 2, bbls., l.c.l. .....lb. .40½- —
No. 3, bbls., l.c.l. .....lb. .38½- —
No. 4, bbls., l.c.l. .....lb. .36½- —
No. 5, bbls., l.c.l. .....lb. .34½- —
paste, No. 1, bbls., l.c.l. .....lb. .19 - —
No. 2, bbls., l.c.l. .....lb. .18 - —
No. 3, bbls., l.c.l. .....lb. .17 - —
No. 4, (red), bbls., l.c.l. ...lb. .12½- —

PROPERTIES

Formula	$C(CH_2OH)_4$
Composition	approximately 90% pentaerythritol, and 10% dipentaerythritol
Appearance	white powder
Melting Range	185°-230°C.
Hydroxyl Content	47.5%
Combining Weight	35.8
Water	0.3%
Ash	0.06%
Specific Gravity 25°/4°C.	1.38
Bulk Density	0.7 (44 lbs./cu.ft.)

Solubility (g. per 100 g. solvent)

Water at 25°C.	8
Water at 100°C.	90
Ethanol at 25°C.	0.5
Benzene at 25°C.	insoluble
Acetone at 25°C.	insoluble
Oils at 25°C.	insoluble
Glycerol at 100°C.	approx. 10
Pyridine at 100°C.	approx. 5

General
Non-hygroscopic; non-toxic; all hydroxyl groups esterifiable

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393 SEVENTH AVENUE, NEW YORK 1, N. Y. • CHICAGO 6 • PHILADELPHIA 3 • SAN FRANCISCO 11 • RUMFORD 16, R.I.

Hemlock Bark Extract—Lead Orthosilicate

Hemlock bark extract, 25% tannin, bbls., c.l., works ..lb. No stocks.
tanks, works ..... lb. No stocks.
Hematine extract, cryst., No. 0, ... lb. .28 - .35
Henbane leaves, bls. ..... lb. .19 - .21
Henna leaves, bls. ..... lb. .19 - .21
powd., bbls., bgs. ..... lb. .23 - .25
Heptane, industrial, Bayonne, N. J., tanks. gal. .16 - —
group 3, tanks ..... gal. .12½- .13⅛
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .25 - —
bbls. ..... lb. .25½- —
smaller lots, bgs., same basis. lb. .26 - —
bbls. ..... lb. .26½- —
USP, dms., 500 lbs., or more, same basis. lb. .38½- —
smaller lots, same basis.... lb. .39½- —
Diphosphate, USP, bots..... kilo.500.00 - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks. gal. .13½- .14⅛
Bayonne, N. J., tanks..... gal. .16 - —
Hexanol, normal, dms., c.l., works. lb. .30½- —
l.c.l., works..... lb. .31 - —
tanks, works..... lb. .29 - —
Hexyleneglycol (see Methylpentanediol).
Hexylresercinol, USP, 100 lbs. up, frt. alld. lb.19.00 - —
works ..... lb.19.00 -27.75
smaller lots, frt. alld..... lb.20.00 -21.50
works ..... lb.20.00 -33.50
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo.120.00 - —
1-5 kilos, works ..... kilo.130.00 - —
Homatropine hydrobromide, USP, bots..oz.15.00 -25.00
Hydrochloride, bots..... oz.20.00 -22.00
Methylbromide, NF..... oz.16.00 -18.50
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton. 7.50 - —
Hops, NF, bls. ..... lb. .40 - .45
Horehound, bls. ..... lb. .12 - .15
Hydrangea root, bls..... lb .14 - .17
Hydrastine, bots ..... oz.53.50 -53.80
Hydrochloride, NF..... oz.29.50 -36.00
Sulphate, bots ..... oz.53.50 -53.80
Hydrastinine, 10-grain bots.....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cans., works. lb. .30 - .40
Hydrogen peroxide, USP, bbls ...lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19⅛
35%, cbys., same basis..... lb. .23½- —
dms., c.l., same basis..... lb. .20½- —
l.c.l., same basis..... lb. .21½- —
tanks ..... lb. .19¾- —
Hydroquinone, photographic, bbls., dms .lb. .90 - —
tech., dms. ..... lb. .70 - —
Hydroxycitronellal, cns ..... lb. 5.35 - 6.50
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots ..... oz.18.00 -20.00
Hydrobromide, bots..... oz.18.00 -19.50
Sulphate, bots ..... oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l. lb. .56 - —
No. 2, bbls., l.c.l..... lb. .48 - —
liquid, No. 1, bbls., l.c.l..... lb. .30 - —
No. 2, bbls., l.c.l..... lb. .25 - —
solid, No. 1, bxs., l.c.l..... lb. .44 - —
Hyssop herb, bgs..... lb. .35 - .45
Leaves, bgs. ..... lb. .45 - .50

I

Iceland moss, bgs. ..... lb. .35 - .40
Ichthammol, NF, bots..... lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests ..... lb. 2.14 - 2.16
synth., paste, bots..... lb. .23 - —
powd., bbls ..... lb. 1.03 - —
Indol, CP, bots ..... lb.17.00 -19.00
Inositol, tins, dlvd..... lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse, Staten Island. lb. 1.729 - —
resubl., USP, bots., jars ..... lb. 2.55 - 2.65
Iodochlorohydroxyquinolin, NF, dms. lb. 6.40 - —
Iodoform, NF, dms., kgs..... lb. 4.30 - 4.74
Ionone, alpha, cns..... lb. 5.10 -12.30
beta, cns..... lb. 7.05 - 6.50
Methyl (see M).
IPC, bots., 1-5 lbs..... lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point. lb. 2.30 - 2.50
50 lbs., ship't point ..... lb. 2.40 - 2.52
10-25 lbs., ship't point..... lb. 2.50 - 2.54
Ipecac root, bgs..... lb. 4.25 - 4.50
powd., bgs. ..... lb. 4.65 - 4.90
Irish moss, bleached, prime, bls. lb. .16 - .18
Iron acetate, liquor, 28° bbls., c.l., works .lb. .09 - —
l.c.l., works ..... lb. .09¾- —
solut., USP IX, cbys..... lb. .16 - —
djns. ..... lb. .17 - —
Cacodylate, NF, bots ..... lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works.. 100 lbs. 5.75 - —
l.c.l., works..... 100 lbs. 6.50 - 7.50
Iron chloride, cryst., tech., c.l., bbls., works..100 lbs. 5.00 - 6.00
l.c.l., bbls., works..100 lbs. 5.50 - 8.00
USP, dms., works..... lb. .06¾- .08¼
solut., 42 Be, 100% basis, tanks, works..100 lbs. 3.45 - —
Citrate, gran., dms..... lb. .77 - .79
Gluconate, NF, dms..... lb. .85 - .95
Glycerophosphate, N.F., powd.. lb. 4.25 - 4.35
Hypophosphite, NF, dms..... lb. 2.80 - —
Iodide, bots..... lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld .lb. .21¼- .21¾
Oxalate, gran., dms ..... lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .68
Pyrophosphate, soluble, NF VII, gran., dms .lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4%, Fe, dms., frt. alld. lb. .23 - —
Stearate, dms., c.l..... lb. .34 - —
ton lots ..... lb. .35 - —
less ton lots..... lb. .36 - —
Sulphate, ferric, anhyd., bgs., c.l., works..ton.28.50 - —
l.c.l., works ..... ton.29.50 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms..... lb. .09½- .10
Iron by hydrogen, kgs..... lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms .lb. .55 - .58
brown, USP, gran., dms..... lb. .55 - .58
Oxalate, dms..... lb. .25½- .28⅛
Iron-potassium oxalate fine gran., dms. ..... lb. .30½- .33⅛
Iron-sodium oxalate, fine gran., dms lb. .25½- .28⅛
Isobornyl acetate, cns..... lb. .97 - 1.10
Isobutyl acetate, cns ..... lb. .82 - 1.25
Methacrylate, M-5, dms., works . lb. .60 - —
cns., works ..... lb. .63 - .67
P-5, cns., works..... lb. .60 - —
Propionate, cns..... lb. No prices.
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works..... gal. 3.85 - 4.05
tanks, works..... gal. 4.23 - —
Isobutyraldehyde, dms., works... lb. .50 - .53
Isoeugenol, cns..... lb. 2.10 - 3.40
Isoleucine, dextro-laevo, with alloisoleucine, dms., works..lb.28.00 -35.00
Isopentane, dms., works ..... lb. .45 - .55
Isophorone, dms., c.l., works.... lb. .23½- —
l.c.l., works ..... lb. .24 - —
tanks, works..... lb. .22 - —
Isopropanol (see Acohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. ..... lb. .10¼- —
l.c.l., same basis..... lb. .11 - —
tanks, same basis..... lb. .09 - —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
c.l., frt. alld. E.....
Isopropylamine, dms., c.l., works..lb. .24 - —
l.c.l., same basis..... lb. .25 - —
Isoquinoline, dms., c.l., works.... lb. .20 - —
l.c.l., works ..... lb. .40 - —

J

Jaborandi leaves, bls..... lb. .15 - .20
Jalap root, NF, bls..... lb. .40 - .45
powd., bbls., bxs..... lb. .45 - .55
Resin, powd., bxs..... lb. 7.15 - 7.25
Juniper berries, bgs..... lb. .09 - .15
Tar, USP, dms..... lb .40 - .65

K

Kamala, powd., cns. ..... lb. .43 - .45
Kaolin (see China clay).
Kava kava root, bls..... lb. .28 - .30
Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks .gal. .06125- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .064 - —
California,40-43, s.g., w.w., tanks, gal. .121 - .156
Gulf ports, 41-43, s.g.,w.w., tanks, gal. .09 - .0925
Okla.-Tex., 41-43, s.g., w.w., tanks, gal. .07875- .08875
Penn., 45 s.g., w.w., tanks .gal. .095 - .10
Kola nuts, bgs..... lb. .06 - .10
Kyanite, imp., low iron content, 10-mesh, whse .ton.85.00 -95.00
calcined, grain, 10-mesh, whse.. ton.95.00 -105.00

L

Lady slipper root, bls..... lb. 1.50 - 1.75
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .29 - .30
hydrous ..... lb. .28 - .28½
Lard, cash, trcs, Chicago..... lb. .13 - .13⅛
Larkspur seed bgs ..... lb. .35 - .40
Laurel berries, bls..... lb. .25 - .26
Leaves, Portuguese, bls..... lb. .10 - .11
Greek, bls..... lb. .08 - .08½
Turkish, bls., recleaned..... lb. .20 - .20½
Lavender flowers, medium, bls.. lb. .55 - .60
ordinary, bls. ..... lb. .16 - .20
select, bls ..... lb. .60 - .65
Lead acetate, white, crystals, dms., lb. .22¾- —
gran., bbls..... lb. .23½- —
powd., bbls ..... lb. .23½- —
USP, cryst., dms ..... lb. .26 - .30
gran., powd., dms..... lb. .26¾- .30¾
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld lb. .27 - .30
l.c.l., frt. alld..... lb. .31 - —
1-lb. bgs., c.l., frt. alld lb. .38 - .41½
l.c.l., frt. alld ..... lb. .39 - .42½
Lead arsenate prices are works or whse. basis frt. alld. on 95 lbs. or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld lb. .15½- —
l.c.l., works..... lb. .16½- —
Carbonate (see Lead, white).
Chloride, fib. dms..... lb. .49 - —
Iodide, NF V, jars..... lb. 2.94 - 3.13
Linoleate, liq., 13% Pb, dms., frt. alld lb. .32¾- —
Metal, pigs, prime, N. Y. ... lb. .15 - .15¼
E. St. Louis..... lb. .1480-.14975
Metallic paste, dms., 20,000-40,000 lbs., works lb. .28¾- —
10,000-20,000 lbs., same basis lb. .29¼- —
2,000-10,000 lbs., same basis lb. .29¾- —
100 to 2,000 lbs., same basis lb. .30¼- —
Prices ex whse, Jersey City, N. J., 4½c. per pound hgher
Naphthenate, liquid, 16% pb, dms., dlvd lb. .15¼- —
24% Pb, dms., dlvd..... lb. .21 - —
30% Pb, dms., dlvd..... lb. .25½- —
Nitrate, bbls., c.l..... lb. .19 - —
l.c.l. ..... lb. .19¼- —
Oleate, fused, bbls ..... lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .28¾- —
60% PbO, dms., works..... lb. .27¼- —

not only chemicals are basic with Mathieson...

but... purity is basic—quality of product continues to be a prime Mathieson objective.

supply is basic—Mathieson's strategically located producing points assure you prompt delivery.

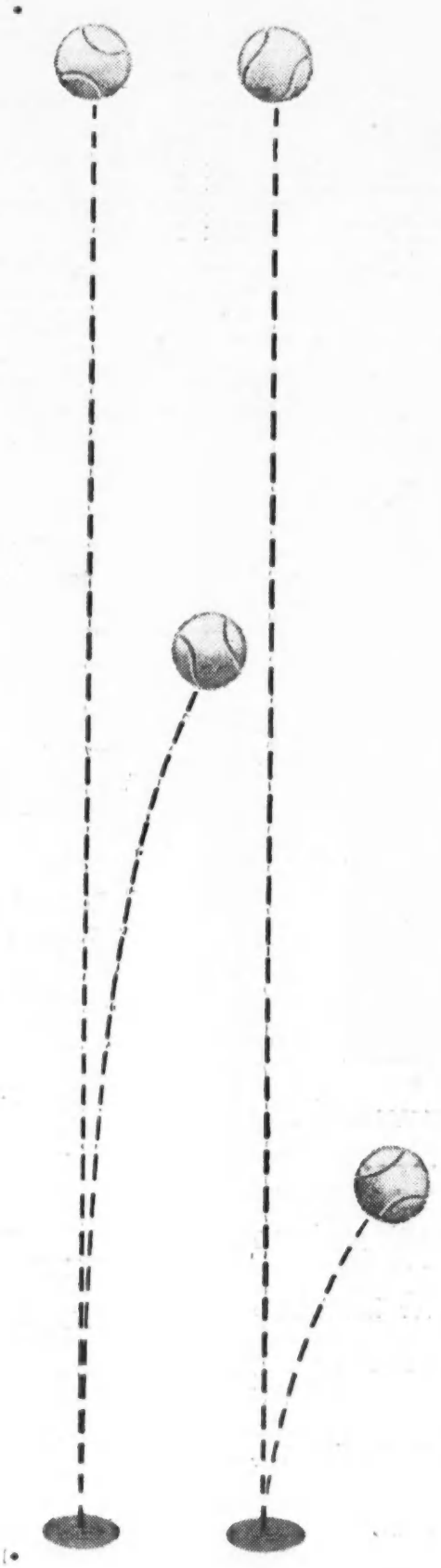
service is basic—Mathieson research "know-how" continues to solve unusual chemical problems.

FOR BASIC CHEMICALS PLUS— ALWAYS SPECIFY

Mathieson CHEMICALS

Sulphuric Acid . . . Caustic Soda . . . Soda Ash . . . Bicarbonate of Soda . . . Liquid Chlorine . . . Chlorine Dioxide . . . Ammonia, Anhydrous & Aqua . . . HTH Products . . . Dry Ice . . . Carbonic Gas . . . Sodium Chlorite Products . . . Sodium Methylate

MATHIESON CHEMICAL CORPORATION
60 EAST 42ND STREET, NEW YORK 17.



Getting "more bounce" into your business

Some 15 years ago a simple packaging trick put more bounce into tennis balls.

The trick—putting them in a key-opening can under pressure—pleased everybody.

Inventories could be built up in slack seasons without fear that the tennis balls would go stale.

Shelf and window displays could be made in sporting goods stores easily.

Players had tennis balls with more bounce . . . any time . . . any place.

Perhaps similar expert packaging advice on the part of American Can Company will get "more bounce" into your product.

Canco know-how in devising new and better packaging methods has paid off in extra profits for others for 48 years. Maybe it can do the same for you.

AMERICAN CAN COMPANY

New York · Chicago · San Francisco

CALL CANCO FIRST

Lead Peroxide—Manganese Tallate

Lead peroxide, powd., tech., bbls. lb. .33 - .34
Phthalate, dibasic, dms., works lb. .36½- —
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. ship't point, frt. alld lb. .17⅞- —
l.c.l., same basis lb. .18¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .18⅝- —
l.c.l., same basis lb. .19¼- —
Resinate, precip., dms., divd lb. .25 - —
lb. .41¼- —
Salicylate, normal, dms., works lb. .41¼- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1660- .1725
Stearate, dibasic, dms., works lb. .49¾- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .23¼- —
Tallate, liquid, 16% Pb, dms lb. .14¼- .14¾
solid, 30% Pb, dms lb. .22¼- .22¾
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .17½- —
l.c.l., same basis lb. .18½- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .16 - .19⅝
l.c.l., same basis lb. .16½- .20⅝
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .15⅞- —
l.c.l., same basis lb. .16⅝- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .16 - —
l.c.l., same basis lb. .18½- —
Lecithin, edible, unbleached, c.l., same basis lb. .15 - —
unbleached, non-ret. dms., same c.l., basis lb. .15 - —
Lemon peel, bls lb. .22 - .25
Leucine, dextro-laevo, dms., works lb. 28.00 -35.00
Licorice extract, mass, cns lb. .45 - —
powd., bbls. lb. .55 - —
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .04¾- —
Lime, agricultural, bgs., works ton. 13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton. 9.00 - —
Annville, Pa ton. 10.00 - —
Bellefonte, Pa ton. 10.00 - —
Buffalo, N. Y. ton. 10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa ton. 9.50 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo. ton. 6.50 - —
Keystone, Ala ton. 9.75 - —
Knoxville, Tenn ton. 9.75 - —
Limedale, Ark ton. 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W. Va. ton. 10.00 - —
Menominee, Mich. ton. 8.00 - —
Mitchell, Ind. ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 6.50 - —
Sherwood, Tenn. ton. 10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa. ton. 10.00 - —
Hydrated, paper bgs., Adams, Mass. ton. 11.50 - —
Annville, Pa ton. 13.50 - —
Bellefonte, Pa ton. 13.50 - —
Lime hydrated, paper bgs., Buffalo, N. Y. ton. 13.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa. ton. 11.50 - —
Engle, W. Va ton. 13.00 - —
Farnams, Mass. ton. 11.50 - —
Gibsonburg, Ohio ton. 9.50 - —
Hannibal, Mo ton. 9.50 - —
Keystone, Ala ton. 13.00 - —
Knoxville, Tenn. ton. 12.25 - —
Limedale, Ark ton. 10.50 - —
Longview, Ala ton. 13.00 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton. 10.50 - —
Mitchell, Ind. ton. 10.00 - —
Petoskey, Mich ton. 10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton. 12.00 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Tenn. ton. 13.00 - —
Sherwood, Wis. ton. 10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa ton. 13.50 - —
Spray, paper bags, Adams, Mass. ton. 11.70 - —
Annville, Pa ton. 13.50 - —
Bellefonte, Pa ton. 13.50 - —
Carey, Ohio ton. 11.00 - —
Engle, W. Va ton. 13.00 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio ton. 10.00 - —
Marblehead, Ohio ton. 10.00 - —
Rockland, Me. ton. 10.00 - —
Scioto, Ohio ton. 10.00 - —
Woodville, Ohio ton. 10.00 - —
York, Pa. ton. 13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton. 3.50 - 4.00

Linalool, ex bois de rose lb. 4.50 - 6.35
ex lignaloe wood lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots. lb. 4.20 - 7.20
ex petitgrain, bots. lb. 4.25 - 6.00
Lindane, 25%, works, cans lb. 3.00 - 3.05
dms., works lb. 2.95 - —
Linden flowers with leaves, bls. lb. .22 - .25
without leaves, bls. lb. .22 - .26
Linseed meal, 34% bulk, Midwest mills ton. 59.00 -60.00
Litharge, com'l. powd., bbls., c.l., ship't., frt. alld. lb. .16½- —
l.c.l., same basis lb. .17¾- —
Lithium benzoate, dms. lb. 1.65 - —
Bromide, NF, bbls., works, frt. equald. lb. 1.90 - —
Carbonate, NF, bbls., kgs. lb. 1.10 - 1.15
Chloride, dms. lb. 1.00 - —
Citrate, NF, bbls., dms., kgs. lb. 1.25 - —
Fluoride, bbls. lb. 1.95 - —
Hydroxide, dms. lb. 1.10 - —
Salicylate, dms. lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., ship't point lb. .06¼- —
l.c.l., same basis lb. .06½- .06¾
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.
Liverwort leaves, bls lb. .75 - .80
Lobelia herb, bls lb. .50 - .55
leaves, NF lb. .75 - .80
Lobeline sulphate, bots., works oz. 25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49¼
Lovage root, imp., bls. lb. 1.00 - 1.10
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.45 - 2.00
Lysine hydrochloride, dextro-laevo. kilo. 145.00 -149.00

M

Mace, Amboyna, bls lb. .73 - .74
Banda, No. 1, bls lb. .98 - .08½
Siauw, No. 1, bls lb. .87 - .88
West Indian, bls lb. .86 - .88
broken, bls. lb. .68 - .69
Madder, Dutch, bgs lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - —
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld. lb. .13½- —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.
Chloride, anhyd., dms., works lb. .12¼- —
flake, bbls., c.l., works ton. 40.00 - —
l.c.l., works ton. 44.00 -46.00
Gluconate, dms., cns lb. 2.80 - 2.94
Glycerophosphate, dms., works lb. 4.85 - —
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms. lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .20½- —
sticks, cs., works lb. .34 - .38
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb. .43 - —
100-lb. lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton. 67.50 - —
dead-burnt, bulk, c.l., Chewalah, Wash. ton. 30.50 - —
Maleic anhydride, dms., c.l., frt. alld. lb. .30 - —
l.c.l. lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls lb. 1.00 - 1.25
Blue, bls. lb. .95 - 1.10
Leaves, bls. lb. .40 - .42
Manaca root, bls lb. .49 - .50
Mandrake root, bls lb. .33 - .35
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs. lb. .12 - .12½
Borate, tech., bbls lb. .23 - —
Carbonate, bbls lb. .19 - —
Chloride, anhyd., dms., works lb. .18 - .19
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
burlap bgs., c.l., works ton. 71.75 - —
l.c.l., works ton. 74.75 -79.79
paper bgs., c.l., works ton. 70.00 - —
l.c.l., works ton. 73.00 - —
85-90%, bbls., c.l., works ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
Gluconate, dms., cns lb. 3.00 - 3.25
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.25
Hydrate, bbls., divd lb. .28 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs, divd. East lb. .30 - .33
Naphthenate, liquid, 6% Mn, dms., frt. alld lb. .22¾ - .23¼
Oleate, precip, bbls lb. .33½- —
Resinate, fused, 3½% Mn, dms lb. .20 - —
precip., dms lb. .21½- —
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., divd. S. E. ton. 60.00 - —
l.c.l., divd. S. E. ton. 67.00 - —
feed grade, 80%, bgs., divd. S. E. lb. .05¼- .07
75%, bgs, c.l., divd. S. E. ton. 68.50 - —
l.c.l., divd. S. E. ton. 75.50 - —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn, dms lb. No prices.

look to

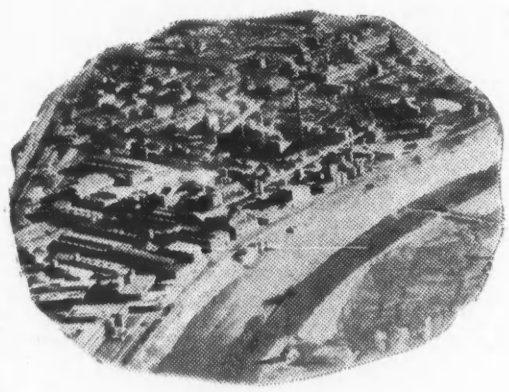
↓

DOW

for

Iodine

Readily Available in Commercial Quantities



As the major domestic producer, we offer Iodine for immediate shipment from stocks located at Jersey City, N. J., St. Louis, Mo., and Seal Beach, Calif.

THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN
New York • Boston • Philadelphia • Washington • Cleveland • Detroit • Chicago
St. Louis • Houston • San Francisco • Los Angeles • Seattle
Dow Chemical of Canada, Limited, Toronto, Canada

DOW
CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Mangrove bark, E. Africa, 38% tannin, c.l., ex dock..ton. No stocks.
So. American, same basis..ton.65.00 -68.00
Manna, flake, large, cs.....lb. 1.25 - 1.35
small, cs.....lb. .85 - 1.00
Mannitol, com'l, dms., works.....lb. .40 - .43
reagent, 50-lb. dms., works.....lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
Chilean, bls.....lb. .16 - .16½
French, bls.....lb. .34 - .34½
Matico leaves, bls.....lb. .25 - .28
Menadione, USP, bots., works gram. .06½ —
Menthol, natural, USP, Brazilian..lb.10.90 -11.00
synthetic, USP, racemic, cns....lb. 7.25 Nom.
Menthyl salicylate, tins lb. 4.25 - 4.35
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots lb. .27 - —
less ton lots, same basis lb. .29 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd.....lb. 3.27 - 3.32
Iodide, red, NF, dms.....lb. 4.32 - —
Yellow, NF, fib., dms.....lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms.....lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Metaldehyde, dms., works.....lb. .78 - —
Metachloranilin, dms., works.....lb. .75 - —
Metacresol, 98%, dms., c.l., works.lb. .55 - .80
works, l.c.l.....lb. .56 - —
80-82%, dms., works.....lb. .35 - —
70-75%, dms., works.....lb. .30 - —
Metaparaisopropylphenol, dms., c.l. lb. .21 - —
l.c.l., dms.....lb. .22 - —
tanks.....lb. .20 - —
Metanitroparatoluidin, bbls.....lb. 1.28 - 1.33
Metaphenylenediamine, kgs.....lb. .76 - —
Metatoluidine, bbls., works.....lb. .80 - —
Metatolylenediamine, kgs.....lb. .85 - —
Methanol, natural, dms., c.l., frt. alld..gal. .58 - —
l.c.l., frt. alld.....gal. .61 - —
tanks, frt. alld.....gal. .50 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .38 - —
l.c.l., frt. alld.....gal. .41 - —
tanks, frt. alld.....gal. .26 - —
zone 2, dms., c.l., frt. alld.. gal. .45 - —
l.c.l., ex whse.....gal. .47½- —
tanks, frt. alld.....gal. .31 - —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld..gal. .38 - —
tanks, frt. alld.....gal. .26 - —
West of Rockies, dms., c.l., frt. alld..gal. .45 - —
tanks, frt. alld.....gal. .31 - —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more..lb. 7.25 - —
1 to 49-lb. lots, works.....lb. 8.75 - —
Methoxychlor, dealers, dms., cs., works..lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1..lb. .17¼- —
l.c.l., same basis.....lb. .17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetate, dms., c.l., dlvd., N. Y. lb. .06 - —
l.c.l., same basis.....lb. .08½- —
Acetoacetate, dms., c.l., works.. lb. .49½- —
l.c.l., same basis.....lb. .50 - —
tanks, works.....lb. .48 - —
Methyl acetoacetate prices frt. alld. W., ½c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld..gal. .60 - —
l.c.l., same basis.....gal. .71 - —
Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.
Group B, dms., incl., E. Miss., frt. alld., any quantity..gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E..gal. .53 - —
frt. alld. W.....gal. .57 - —
l.c.l., works, frt. alld. E..gal. .56½- —
frt. alld. W.....gal. .60½- —
tanks, works, frt. alld. E..gal. .43½- —
frt. alld. W.....gal. .47 - —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Alcohol (see Methanol).
Anthranilate, 500 lbs. or more lb. 2.10 - —
smaller lots.....lb. 2.20 - 3.00
Benzoate, cns.....lb. .55 - 1.20
Bromide, dealers, cns.....lb. .69 - .71
cyls.....lb. .60 - .78
Chloride, indust., cyl., works...lb. .17 - —
tanks, multi-unit, works...lb. .13 - —
single-unit works...lb. .10½- —
refrigerator mfrs., cyls., dlvd... lb. .37 - —
other consumers or service men, cyls., dlvd lb. .42 - —
Cinnamate, cns.....lb. 1.48 - 1.65
Formate, refd., dms.....lb. .35 - .40
tech., non-ret. dms., any quantity, works..lb. .06 - —
tanks, works.....lb. .07 - —
Heptin carbonate, bots.....lb.36.00 -58.00
Iodide, bots., cbys.....lb. 3.00 - 4.85
Lactate, dms., l.c.l., works..lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns, works.....lb. .48 - .58
P-1, cns., works.....lb. .60 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms.....lb. 1.90 - 2.00
Roseanilin chloride, USP, bots.. lb. 5.15 - 5.30
Salicylate, USP, dms., 500 lbs lb. .40 - —
25-50 lbs.....lb. .45 - —
Testerone, USP, 100 gms...gm. 3.75 - —
Methylal, refined, 95%, dms., c.l. lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .04½- —
Methylamyl acetate, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Ketone, dms., works.....lb. .70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots frt alld on 100 lbs..lb. .75 - .80
Methylcellulose, standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld..lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs..lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.87 - —
smaller lots, kgs., same basis. lb. 3.02 - 3.22
Chloride, indust., dms., c.l., dlvd. E lb. .12½- —
l.c.l., dlvd E.....lb. .13½- —
tanks, dlvd. E.....lb. .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09 - —
Methylhexyl ketone, tech., dms., works lb. .60 —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb. 4.55 6.40
Methylisobutyl carbinol (see Carbinol methylisobutyl)
Ketone, dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. lb. .14 - —
l.c.l., works, dlvd.....lb. .13 - —
tanks, works, dlvd.....lb. .12½- —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03⅞- —
roofing, 20 to 80 mesh, works lb. .03¾- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
Mica, wet-grd., extra fine, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E lb. .07 —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
rubber, bgs., c.l., works, frt. alld. E lb. .06¾- —
l.c.l., ex whse. or frt. alld. E lb. .07½- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07 —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
white, extra fine, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
Mica, wet-grd., W of Miss. R., ½c. higher; W of Rockies, 1c. higher
Milk powder, skimmed, roller, bbls., c.l lb. .10¾- .12¾
spray, bbls., c.l.....lb. .12¾- .13¾
Whole, roller, bbls., c.l.....lb. .28 - .33
spray, bbls., c.l.....lb. .29½- .35¼
Sugar, crude, bgs., c.l., works lb. .17 - —
edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots.....lb. .24¾- —
200-1,800-lb. lots...lb. .25¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 —
2,000-lb lots.....lb. .26¾- —
200-1,800-lb. lots.....lb. .27¼- —
Molasses, blackstrap, tanks....gal. .08 - .08½
New Orleans....gal. .06½- —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).

Mangrove Bark—Monotertiarybutylmetacresol

Molybdenum metal, 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. alld lb. .07 - .08
l.c.l., works, frt. equald.....lb. .08 - .10
tanks, works, frt. equald....lb. .06 - .06¼
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 - —
l.c.l., same basis.....lb. .28 - —
tanks, same basis.....lb. .25½- —
Monoethylamine, dms., c.l., works, basis 100% lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .20 - —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%.. lb. .35 - —
l.c.l., same basis.....lb. .35½- .36
tanks, same basis.....lb. .31 —
Monomethylanilin, dms., works lb. .70 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic)
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works.....lb. .51 - —
tanks, works.....lb. .49 - —

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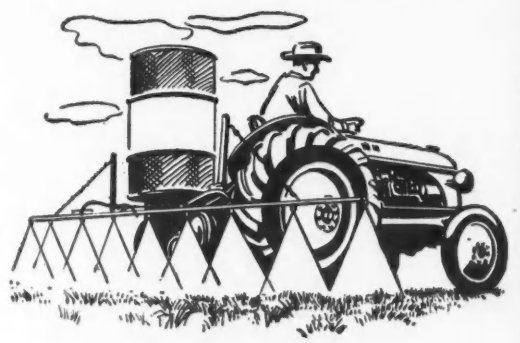
SANTOCHLOR* (para-Dichlorobenzene)
SANTOPHEN* 20 (Pentachlorophenol, Tech.)
TRICHLOROBENZENE, Technical
NIFOS*-T (Tetraethyl Pyrophosphate, Tech. For agricultural use only)
NIRAN* (Parathion. For agricultural use only)



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2,4-D SODIUM SALT
2,4-D ISOPROPYL ESTER
2,4,5-T ACID
2,4,5-T ISOPROPYL ESTER
SANTOBRITE* (Sodium Pentachlorophenate, Tech.)
SANTOPHEN 20 (Pentachlorophenol, Tech.)
TRICHLOROACETIC ACID
SODIUM TRICHLOROACETATE
ISOPROPYL N-PHENYL CARBAMATE

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*Reg. U. S. Pat. Off.

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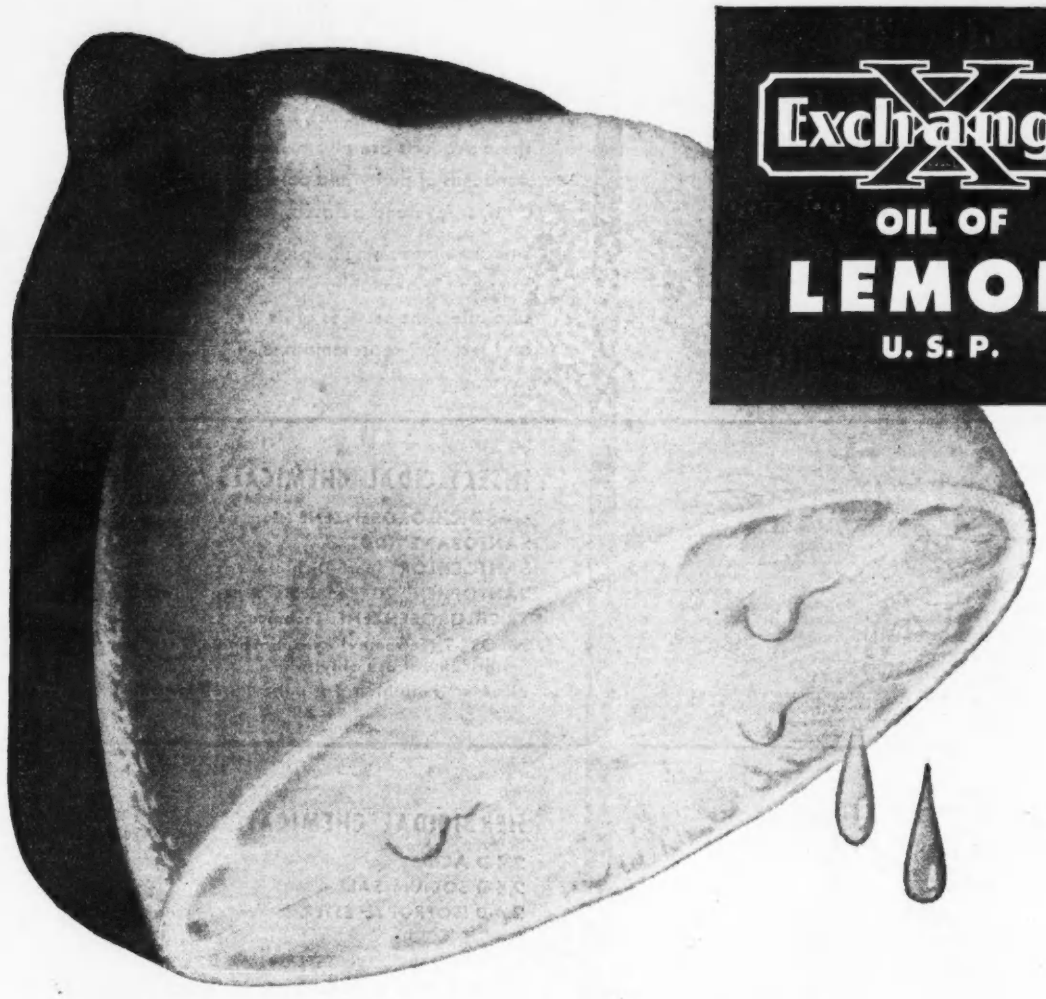
Hydrobromide, cns.	oz.	9.80	- —
Hydrochloride, NF, cns.	oz.	9.90	- —
Sulphate, USP, cns	oz.	9.90	- —
Morpholine, dms., c.l., works	lb.	.59½	- —
l.c.l., works	lb.	.60	- —
smaller containers, works	lb.	.75	- —
tanks, works	lb.	.58	- —
Mountain ash berries, bgs	lb.	.55	- .57
Mullein flowers, cs.	lb.	1.25	- 1.30
Leaves, bls.	lb.	.12	- .16
Musk, nat., Tonquin, grains, bots.	oz.	25.00	-30.00
synthetic—Ambrette, 100 lbs	lb.	5.40	- —
25 lbs.	lb.	5.50	- —
5 lbs	lb.	5.65	- —
Ketone, 100 lbs	lb.	4.95	- —
25 lbs.	lb.	5.05	- —
5 lbs	lb.	5.20	- —
Xylol, 100 lbs	lb.	1.60	- —
25 lbs.	lb.	1.70	- —
5 lbs	lb.	1.85	- —
Musk root, bls	lb.	No prices.	
Mustard seed, Calif., brown	lb.	.22	Nom.
Danish, bgs.	lb.	.15	- .15½
Dutch, yellow, bgs	lb.	.15	- .15½
English, yellow, bgs	lb.	.12¾	- .13
Montana, brown, bgs., source	lb.	.05¾	- .06
Oriental, bgs., source	lb.	.06¼	- .06½
yellow, bgs., source	lb.	.11½	- .12
Washington, yellow, source, bgs	lb.	.12	- .12½
Myrobalans, J1, assorted, ex dock.	ton.	61.00	-62.00
J2, ex dock	ton.	52.00	- —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).			
Solvent (see S).			
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald	lb.	.06	- —
tanks, same basis	lb.	.0525	- —
78°, bgs., c.l., works, frt. equald	lb.	.0635	- —
l.c.l., same basis	lb.	.0660	- —
bbls., c.l., same basis	lb.	.0635	- —
l.c.l., same basis	lb.	.0660	- —
78°, dms., c.l., same basis	lb.	.0750	- —
l.c.l., same basis	lb.	.08	- —
tanks, same basis	lb.	.0575	- —
refined, industrial, bbls., c.l., frt. equald	lb.	.10	- —
bgs., c.l., same basis	lb.	.10½	- —
tanks, same basis	lb.	.09	- —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis	lb.	.14	- —
bbls., c.l., same basis.	lb.	.13¾	- —
1-lb. pkgs., c.l., same basis	lb.	.15¼	- —
Neocinchophen, USP, dms., works	lb.	7.00	- 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y.	ton.	14.25	- —
pottery, 200 mesh, bulk, Rochester, N. Y.	ton.	18.25	- —
Nepheline syenite in bgs., $3 per ton higher than bulk.			
Nerolin, cns	lb.	2.00	- 2.25
Niacin (see Acid, nicotinic).			
Niacinamide (see Nicotinamide).			
Nickel acetate, bbls., dlvd	lb.	.50	- —
Carbonate, bbls., dlvd	lb.	.48	- .50
Chloride, bbls., dlvd	lb.	.23	- —
Cyanide, bots., dms	lb.	1.75	- 2.00
Formate, bbls., ton lots, dlvd.	lb.	.43½	- —
Metal, electro cathodes, cs	lb.	.40	- —
Nitrate, bbls., works	lb.	.24½	- .25¼
Oxide, black, bbls	lb.	.42	- —
Sulphate, bgs., c.l., dlvd	lb.	.18	- —
l.c.l., dlvd	lb.	.18½	- —
Nicotinamide, USP, dms., works	kilo.	11.00	-11.30
Hydrochloride, dms., works	kilo.	10.50	-10.80
Nicotine sulphate, 40%, 50 lb. dms., dealers, frt. alld. over 50 lbs.	dm.	53.65	- —
tins, 10 lbs., dealers, frt. alld. on cases of 6	tin.	11.80	- —
Nikethamide, bots., cbys	lb.	5.50	- 6.60
Nitercake, bulk, works	ton.	No stocks.	
Nitrobenzene, dbl. dist., dms., c.l	lb.	.09	- .09¼
l.c.l.	lb.	.10	- .11
tanks	lb.	.08	- .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight	lb.	.28	- —
l.c.l., same basis	lb.	.29	- .31
18-25 cps., bbls., c.l., same basis	lb.	.30	- —
l.c.l., same basis	lb.	.31	- .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis	lb.	.32	- —
l.c.l., same basis	lb.	.33	- .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis	lb.	.33	- —
l.c.l., same basis	lb.	.34	- .36
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.			
Nitroethane, dms., works	lb.	.30	- —
Nitrogen solution, tanks, works, N	ton.	120.00	-137.16
Nitrogenous process tankage, bulk, works, ammo.	unit-ton.	3.50	- 3.60
Sewage sludge, bulk, works, unit	ton.	3.25	+ .40
Nitromethane, dms., l.c.l., works	lb.	.30	- —
Nitropropane, 1, dms., works	lb.	.30	- —
2, dms., works	lb.	.30	- —
Nutgalls, Aleppo, bgs	lb.	.43	- —
Chinese, bgs	lb.	.38	- —
Istrian, bgs	lb.	.31	- —
Nutmeg, East Indian, bgs	lb.	.41	- .42
futures, bgs.	lb.	.40	- .41
West Indian, bgs	lb.	.33	- .34
futures	lb.	.32	- .33
Nux vomica, bls	lb.	.10	- .12
powdered, bbls., bxs	lb.	.13	- .14

O

Oakbark extract, 25% tannin, bbls., c.l., works	lb.	No stocks	
Octane, 100°-140° C, industrial grade, group 3, dms., c.l.	gal.	.19	- —
l.c.l.	gal.	.21	- .60
tanks	gal.	.15½	- —
10° C, Bayonne, N. J., tanks	gal.	.16	- —
Octanol, normal, tech., dms., c.l., dlvd.	lb.	.34½	- —
l.c.l., dlvd	lb.	.36½	- —
tanks, dlvd	lb.	.32	- —
Oil, abies siberica, cns	lb.	2.35	3.10
Almond, artificial, bitter, (see Benzaldehyde).			
natural, bitter, F.P.A., bots.	lb.	3.85	- 5.00
NF, bots	lb.	3.85	- 4.75
Sweet, dms., cns	lb.	.75	- .95
Amyris, dms	lb.	1.55	- 1.65
Angelica root, bots	lb.	120.00	-190.00
Seed, bots	lb.	80.00	-100.00
Anilin (see A).			
Anise, USP, Chinese, dms	lb.	.72	- 1.05
Apricot kernel, USP, dms	lb.	.42	- .56
Avocado, cns., dms	lb.	1.00	- 1.10
Babassu, crude, tankcars	lb.	.20½	Nom.
Bay, NF, Puerto Rican, 50-55%, cns	lb.	1.20	- 1.50
55-60%, cns.	lb.	1.20	- 1.60
West Indian, 50-55%, cns	lb.	1.20	- 1.60
Bergamot, artif., cns	lb.	2.00	- 4.25
natural, Italian, cns	lb.	4.35	- 4.65
Birchtar, crude, cns	lb.	.95	- 1.75
rectified, NF, cns	lb.	4.15	- 4.25
Bois de rose, Brazil	lb.	2.75	- 3.30
Mexican (see Oil, lignaloe wood).			
Bone, dms., works	gal.	.65	- 70
Cajeput, tech., dms	lb.	1.65	- 2.00
redistilled, USP, cns	lb.	2.20	- 4.50
Calamus, cns	lb.	20.00	-28.00
Camphor, natural, white, cns	lb.	.40	- 50
dms.	lb.	.27	- .40
Cananga, native, cns	lb.	1.95	- 2.55
rectified, cns	lb.	2.65	- 2.85
Capsicum (see Capsicum oleoresin).			
Caraway, NF, cns	lb.	4.75	- 6.50
Cardamom, NF, bots	lb.	46.50	-55.00
Cassia, USP, cns	lb.	1.80	- 2.40
Castor, blown, dms., c.l.	lb.	.20¼	- —
dms., l.c.l.	lb.	.20¾	- —
standard, USP, dms., c.l.	lb.	.18¼	- —
l.c.l.	lb.	.18¾	- —
tanks	lb.	.17¼	- —
refined and deodorized, dms., c.l.	lb.	.19¾	- —
l.c.l.	lb.	.20¼	- —
tankcars	lb.	.18¾	- —
dehydrated, bodied, dms., c.l.	lb.	.22	- —
l.c.l.	lb.	.22½	- —
tanks	lb.	.21	- —
unbodied, dms., c.l.	lb.	.21	- —
l.c.l.	lb.	.21½	- —
tanks	lb.	.20	- —
hydrogenated, dms., c.l., works.	lb.	.28	- —
l.c.l., same basis	lb.	.27	- —
No. 3, tech., dms., c.l.	lb.	.17	- —
l.c.l.	lb.	.17½	- —
tanks	lb.	.16	- —
sulphonated, 50% (48% fat), dms	lb.	.12	- .13
75% (60-62% fat), dms	lb.	.15¾	- .16¼
Cedarleaf, USP, cns., dms	lb.	1.85	- 2.25
tech., dms	lb.	1.70	- 1.80
Cedarwood, cns	lb.	.40	- .55
dms.	lb.	.34	- .50
Celeryseed, bots.	lb.	15.00	-16.50
Chaulmoogra, NF, cns., dms	lb.	.55	- 70
Chinawood (see Oil, tung).			
Cinnamon bark, bots	lb.	27.00	-60.00
Leaf, Ceylon	lb.	1.50	- 1.75
Seychelle	lb.	1.20	- —
Citronella, Ceylon, cns	lb.	.79	- 1.05
Java type, cns	lb.	1.55	- 1.85
Clove, USP, from Madagascar buds, cns., dms	lb.	1.45	- 1.75
from Zanzibar, buds, cns., dms	lb.	1.80	- 2.15
Coconut, crude, tanks, Atlantic ports	lb.	.17	- —
Pac. Coast	lb.	.15½	- —
refined, Cochin type, tax incl., dms., l.c.l.	lb.	.22½	Nom.
deodorized, tax incl., dms., l.c.l.	lb.	.25	Nom.
Cod, Newfoundland, dms	lb.	.10½	- .11
Codliver, USP, dms	gal.	2.20	- 2.30
Coriander, bots	lb.	29.50	-37.50
Corn, crude, tanks, works	lb.	.14½	- —
foots, acid, 95%, tanks, dlvd. E	lb.	.03¾	Nom.
raw, 50%, tanks, dlvd. E	lb.	.01¾	Nom.
refined, dms., mills	lb.	.19½	- —
tanks, New York	lb.	.17¼	- —
Costus, bots.	oz.	30.00	- —
Cottonseed, crude, tanks, Southeast and Valley	lb.	.14½	- —
foots, acid 95%, tanks, dlvd. E	lb.	.03¾	- Nom.
raw, 50%, tanks, dlvd. E	lb.	.01¾	Nom.
refined, dms.	lb.	.20½	- —
tankcars	lb.	.19	- —
Creosote (see Creosote, coaltar).			
Croton, NF, cns	lb.	4.75	- 5.50
Crude (see Petroleum, crude).			
Cubeb, cns	lb.	7.00	- 7.50
Cumin, bots.	lb.	6.25	-11.50
Cypress, bots.	lb.	11.00	-15.00
Degras (see D).			
Dillseed, bots	lb.	9.00	9.50
Dillweed, bots., dms	lb.	6.75	- 8.60
Dip (see D).			
Erigeron, cns	lb.	5.00	5.25
Eucalyptus, rectified, USP, 80-90%, cns	lb.	.70	- 1.45
70-80%, cns	lb.	.58	- 1.30
Fennel, sweet, cns	lb.	2.75	- 3.00
Fir, Canada, cns	lb.	1.85	- 1.95
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms	1,000,000 units.	.17	- .18
20,000 to 80,000 A units, dms	1,000,000 units.	.20	- .28
pharmaceutical, or food, 50,000 to 125,000 A units, dms.,	1,000,000 units.	.30	- .32
200,000 A units, dms	1,000,000 units.	.35	- —
Fishliver, concentrate, 100,000 A units, dms.	1,000,000 units.	.32	- —
200,000 A units, dms	1,000,000 units.	.35	- —
300,000 A units, dms	1,000,000 units.	.39	- —
400,000 A units, dms	1,000,000 units.	.42	- —
500,000 A units, dms	1,000,000 units.	.45	- —
Fuel (see Petroleum fuel oil).			
Fusel (see F).			
Garlic, pure, bots	oz.	9.25	- 9.50
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns	lb.	10.50	-12.00
Bourbon, cns	lb.	12.50	-13.00
Turkish (see Oil, palmarosa).			



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Oil, Ginger, dist., bots	lb.	13.25	-17.00
Grapefruit	lb.	.80	- 1.25
Grease, No. 1, dms	lb.	.10¾-	.11¼
extra, winter, strained, dms	lb.	.11¾-	.12½
prime, burning, dms	lb.	.12¾-	.13¼
Guaiacwood, cns	lb.	1.85	- 2.15
Hemlock, cns	lb.	1.65	- 2.75
Herring, crude, tanks, Pac. coast.	lb.	No prices.	
Juniper berry, NF VIII, bots	lb.	3.00	- 7.00
twice rectified	lb.	4.75	- 5.00
Tar, USP (see Juniper tar).			
Wood, tech., cns	lb.	.65	- 1.00
Lard (see Oil, grease).			
Laurel, bots.	lb.	9.75	-12.50
Lavandin, cns	lb.	1.10	1.65
Lavender flower, French, 38-42% ester, cns	lb.	3.20	4.35
30-32% ester, cns	lb.	2.20	- 3.10
Spike, Spanish, cns	lb.	.90	- 1.05
Lemon, USP, Calif. cns	lb.	2.80	- 3.00
Messina	lb.	2.60	- 5.00
terpeneless, bots	lb.	32.00	-65.00
Lemongrass, cns., dms	lb.	1.60	- 2.05
Lignaloe seed, Mexican, cns	lb.	4.50	4.80
Wood, Brazilian (see Oil, bois de rose).			
Mexican, cns	lb.	2.75	5.20
Lime, distilled, Mexican, cns	lb.	7.00	- 7.50
West Indian, cns	lb.	7.25	- 7.50
expressed, West Indian, cns	lb.	6.75	- 9.75
terpeneless, bot	lb.	62.00	-65.00
Linseed, raw, dms., c.l.	lb.	.2280-	—
l.c.l.	lb.	.2340-	.2400
tankcars	lb.	.2160-	—
tankwagon	lb.	.2190-	—
Boiled linseed oil 007 higher than raw			
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks,	gal.	.285	—
neutral, 300 vis., No. 3, col., 0.10 pour, tanks	gal.	.21	.22
200 vis., No. 3, col., 15-25 pour, tanks	gal.	.18	.19
145-155 vis., No. 3, color, 10-25 pour, tanks	gal.	.285	—
Penna., W. cylinder, 600-680 flash, tanks	gal.	.33	.38
600-650 steam refd., tanks,	gal.	.37	—
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks	gal.	.37	.39
200 vis., 25 pour, tanks,	gal.	.39	.41
South Texas, neutral, pale, 200 vis., 2¼-4 pour, tanks,	gal.	.11	.12
red, 200 vis., 4-6½ pour, tanks	gal.	.11	.12½
Mace, dist., cns., dms	lb.	3.75	- 5.35
Mandarin, Brazilian, cns	lb.	4.25	- 8.40
Italian, cns	lb.	8.95	- 9.75
Menhaden, crude, tanks, Balto	lb.	.06	- .06½
refined, alkali, dms	lb.	.1230-	—
kettle-bodied, dms	lb.	.1380-	—
light-pressed, dms	lb.	.1130-	—
tanks	lb.	.0970-	—
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene).			
Mustard, synthetic, USP, cns	lb.	1.40	- 1.70
Seed, expressed, dms	lb.	.18	- .18½
Neatsfoot, 15°, dms	lb.	.27	- —
20°, dms	lb.	.25	- —
30°, dms	lb.	.22	- —
Neroli, French, bots	lb.	75.00	-390.00
Haitian, bots	lb.	175.00	-200.00
Niaouli, cns.	lb.	2.75	- 3.25
Nutmeg, dist., East Indian, cns., dms	lb.	3.75	- 5.35
West Indian, cns., dms	lb.	3.65	- 4.65
Ocotea cymbarum, dms	lb.	.46	.60
Oiticica, liquid, dms	lb.	.19½-	.19¾
Oleo, oil, extra, trcs	lb.	.13	- —
Olibanum, bots	lb.	4.50	- 6.25
extra fine, bots	lb.	6.25	-10.50
Olive, denat., dms	gal.	3.05	- —
edible, Calif., dms	gal.	3.40	- —
Spanish, dms., duty-paid	gal.	3.50	- 3.60
Moroccan, dms., duty-paid.	gal.	3.40	- 3.50
foots, dms	lb.	.19¾-	.21
sulphonated, 50% (40% fat), dms., c.l.	lb.	No stocks.	
l.c.l.	lb.	No stocks.	
75% (62% fat), dms., c.l.	lb.	No stocks.	
l.c.l.	lb.	No stocks.	
Orange, sweet, natural, dist., cns.,	lb.	.50	.60
expressed, USP, Brazilian, cns	lb.	.80	1.25
Calif., cns	lb.	.88	- 1.00
Florida, cns., dms	lb.	.55	- 1.00
Messina, coppers	lb.	3.25	- 5.00
West Indian, cns	lb.	2.25	- 3.75
sesquiterpeneless, bots	lb.	55.00	-135.00
Origanum, Spanish, cs	lb.	2.40	- 3.50
Palm, Congo, dms	lb.	.13½-	—
tankcars	lb.	.1210-	—
Palmarosa, cns.	lb.	6.50	- 9.00
Palmkernel, crude, bulk, c.i.f. NY	lb.	No prices.	
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery	gal.	.11½-	—
Patchouli, dms	lb.	6.50	- 7.50
Peach kernel, USP (see Oil, apricot kernel).			
Peanut, crude, tanks, works	lb.	.18	Nom.
foots, acid, 95%, tanks, dlvd. E	lb.	.03¾	Nom.
raw, 50%, tanks, dlvd. E	lb.	.01¾	Nom.
refined, tanks, dlvd. E	lb.	.21½	Nom.
drums	lb.	.23	Nom.
Pennyroyal, USP, dom., cns.,	lb.	No stocks.	
imported, cns	lb.	2.20	- 2.75
Peppermint, natural, dms	lb.	5.50	- 6.35
redist., USP, dms	lb.	5.95	- 6.75
Persic, USP (see Oil, apricot kernel).			
Perilla, crude, dms	lb.	No stocks.	
Petitgrain, Paraguay, cns	lb.	2.20	- 2.80
Pimento berry, dms	lb.	4.25	- 6.00
leaf, cns	lb.	1.50	- 1.80
Pine, dest.-dist., dms., incl., c.l., works, South	gal.	.60	- .69
l.c.l., works, South	gal.	.61	- .70
dms., incl., c.l., works, South	lb.	.07½-	—
l.c.l., works, South	lb.	.08	- —
ex whse., N. Y. C.	gal.	.70	- —
ex whse., N. Y. C.	lb.	.09½-	—
tanks, works, South	lb.	.062	- —
tanks, works, South	gal.	.60	- —
steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N. Y. C.	lb.	.09½-	—
Pineneedle, Siberian (See oil, abies siberica).			
Putty, petroleum, heavy, dms	gal.	.18	- —
tankwagon	gal.	.13½-	—
light, dms	gal.	.16½-	—
tankwagon	gal.	.12½-	—
Rapeseed, tankcars	lb.	.19	- —
Red, single, dist., dms	lb.	.12½-	.13½
tanks	lb.	.11¼-	—
saponified, dms	lb.	.11¾-	.12¾
double dist., dms	lb.	.15	- .16
tanks	lb.	.13¾-	—
Rose, natural, Bulgarian, coppers	oz.	25.00	-38.00
Rosemary, Spanish, tech., cns., dms	lb.	.75	- 1.50
USP, cns., dms	lb.	.85	- 1.60
Rosin, first rectified, dms	gal.	.66	- —
2d rectified, dms	gal.	.68	- —
3d rectified, dms	gal.	78	—
Rue, bots	lb.	3.25	- 5.00
Oil, sage, clary, bots	lb.	14.80	-16.00
Dalmatian, cns	lb.	2.75	- 3.15
Spanish, cns	lb.	1.05	- 3.50
Sandalwood, NF, cns	lb.	13.75	-16.60
Sardine, crude, tanks, Pac. coast.	lb.	.06¾-	.07
refined, alkali, dms	lb.	.1230-	—
kettle-bodied, dms	lb.	.1380-	—
light-pressed, dms	lb.	.1130-	—
tanks	lb.	.0970-	—
Sassafras, artificial	lb.	.40	- .55
natural, Brazilian (see Oil, ocotea cymbarum).			
domestic, USP, cns., dms	lb.	1.80	- 2.30
Savin, cns.	lb.	3.00	- 3.25
Savory, cns	lb.	3.00	- —
Seal, No. 1, tanks, U. S. ports	lb.	No prices.	
Sesame, ref., dms., l.c.l.	lb.	.41	- —
Shingle stain, bbls., c.l., works	gal.	.2185-	—
l.c.l., works	gal.	.25	- .29
tanks, works	gal.	.15	16
Snakeroot, Canada, cns	lb.	18.75	-19.25
Soybean, crude, tanks, mills	lb.	.12	- —
foots, acid, 95%, tanks, dlvd. E	lb.	.03¾-	—
raw, 50%, tanks, dlvd. E	lb.	.01¾-	—
refined, alkali, dms., c.l.	lb.	.1615-	—
l.c.l.	lb.	.1680-	.1700
tanks	lb.	.1495-	—
clarified, dms., c.l.	lb.	.1515-	—
l.c.l.	lb.	.1580-	.1600
tanks	lb.	.1395-	—
edible, dms.	lb.	.12¼-	—
tanks	lb.	.15	- —
Spearmint, dms.	lb.	3.55	- 4.10
Sperm, bleached winter 45° tankcars	lb.	.1770-	—
drums	lb.	.1870-	.1920
natural winter 45°, tankcars	lb.	.16½-	—
drums	lb.	.17½-	.18
Spruce, cns., dms	lb.	1.65	- 2.75
Sunflower-seed, imp., refined, tanks	lb.	No prices.	
semi-refined, tanks	lb.	No prices.	
Oil, sweet birch, Northern, cns	lb.	6.50	- 7.00
Southern, cns	lb.	1.95	- 3.95
Tall, crude, tanks, works	ton.	40.00	- —
refined, dms., c.l., works	lb.	.06	- —
l.c.l., works	lb.	.06¼-	—
tanks, works	lb.	.05	- —
Tallow, acidless, dms	lb.	.10¾-	.11
Tar, pine, coml.' dms., incl., c.l., works, South	gal.	.41	- .43½
l.c.l., works, South	gal.	.43	- .45½
whse., N.Y.C.	gal.	.52¼	- .54¾
tanks, works, South	gal.	.32	- .34½
rectified, NF, l.c.l., dms., incl., works, South	gal.	.60	- —
Tar acid (see T).			
Teaseed, dms	lb.	.25	- —
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns	lb.	2.05	- 3.35
white, cns	lb.	2.30	- 3.80
technical, white, cns	lb.	.35	- 1.00
Tung, dom., tanks, mills	lb.	.21¼	Nom.
imported, dms., c.l.	lb.	.24¼-	—
l.c.l.	lb.	.24¾-	—
tanks	lb.	.22½-	.23
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, NF, cns., dms	lb.	.35	- .55
Vetiver, Bourbon, cns	lb.	11.75	-14.00
Haitian, cns	lb.	11.10	-13.50
Java, cns	lb.	10.40	-15.00
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached, dms	lb.	No stocks.	
Wheat germ, dms	gal.	10.00	-13.50
White mineral, tech., 50-65 vis., dms., c.l., N. Y.	gal.	.48½-	—
l.c.l., same basis	gal.	.51½-	.56½
65-75 vis., dms., same basis,	gal.	.48½-	—
l.c.l., same basis	gal.	.51½-	.56½
Oil, white mineral, USP, 80-90 vis., dms., c.l., same basis	gal.	.52	- —
l.c.l., same basis	gal.	.55	- .60
125-135 vis., dms., c.l., same basis	gal.	.60	- —
l.c.l., same basis	gal.	.63	- .68
145-155 vis., dms., c.l., same basis	gal.	.63	- —
l.c.l., same basis	gal.	.66	- .71
175-185 vis., dms., c.l., same basis	gal.	.64½-	—
l.c.l., same basis	gal.	.67½-	.72½
200-210 vis., dms., c.l., same basis	gal.	.68	- —
l.c.l., same basis	gal.	.71	- .76
335-345 vis., dms., c.l., same basis	gal.	.74	- —
l.c.l., same basis	gal.	.77	- .82
Wintergreen, nat., Northern, cns.	lb.	8.75	-14.50
Southern, cns	lb.	3.65	- 5.60
synthetic (see Methyl salicylate)			
Wood (see Oil, tung)			
Wormseed, NF, cns	lb.	3.50	- 3.75
Wormwood, cns	lb.	6.50	- 7.00
Ylang-ylang, Bourbon, bots	lb.	7.00	- 7.50
extra, bots.	lb.	10.00	-11.00
Madagascar, bots	lb.	6.25	- 6.75
Olein, crude (see Oil, red).			
white, low titre, dms	lb.	.15	- .16
tankcars	lb.	.13¾-	—
Oleostearin, bbls	lb.	.10	- —
Olivine, aggregate, c.l., mines	ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works.	ton.	10.00	- —
paper, bgs., c.l., works	ton.	12.00	- —
Opium, USP, cns.	lb.	19.20	-19.45
gran., USP, cns.	lb.	21.65	-21.90
powd., USP, cns.	lb.	21.65	-21.90

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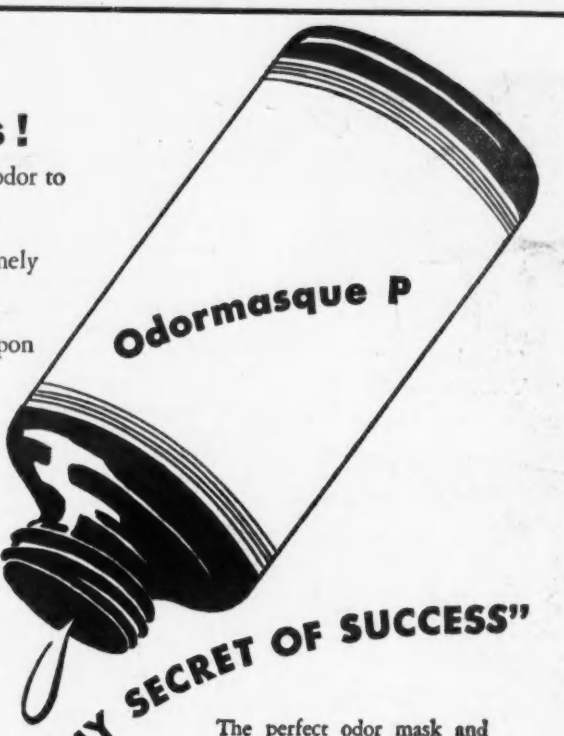

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Orange, Cadmium Lithopone—Petrolatum

Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies	lb.	1.10	—
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.30¼-	—
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Orange, chrome dinitroanilin toner.	lb.	1.15	—
Mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.2110-	—
Molybdate	lb.	.43	—
Orange, Persian, bbls.	lb.	.30	.45
Orange flowers, bls.	lb.	.40	.45
Orange peel, bitter, Haitian, bls.	lb.	.14	.16
Sweet, bls.	lb.	.14	.16
Oregano, Mexican, bgs.	lb.	.12	.12½
Portuguese, bgs.	lb.	.18	.20
Sicilian, bgs.	lb.	.18	.18½
Orris root, Florentine, bls.	lb.	.20	.25
powdered, bbls., bxs.	lb.	.26	.29
Verona, bls.	lb.	.16	.23
powdered, bbls., bxs.	lb.	.22	.23
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33	—
tanks, same basis	lb.	.31	—
Orthoamylphenol, dms., l.c.l., works.	lb.	.42	—
Orthoanisidin, bbls.	lb.	.80	—
Orthochloroanilin, dms., 10,000 lbs. or more	lb.	.60	—
smaller lots	lb.	.62	.67
Orthochloroparanitroanilin, dms., works	lb.	.65½-	.70
Orthochlorophenol, dms., c.l., frt. equald.	lb.	.27	—
l.c.l., same basis	lb.	.28	—
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald.	lb.	.1930-	.2405
l.c.l., same basis	lb.	.1960-	.2435
ret. dms., c.l., same basis	lb.	.1900-	—
l.c.l., same basis	lb.	.1930-	—
29° C, non-ret., dms., c.l., same basis	lb.	.1830-	.2305
l.c.l., same basis	lb.	.1860-	.2335
ret. dms., c.l., same basis	lb.	.1800-	—
l.c.l., same basis	lb.	.1830-	—
25 to 27° C, non-ret. dms., c.l., same basis	lb.	.1630-	.2080
l.c.l., same basis	lb.	.1660-	.2110
tanks, same basis	lb.	.1500-	.1950
Orthodichlorobenzene, 50-lb. cns.	lb.	.12½-	—
100-lb. cns.	lb.	.11½-	—
dms., c.l., works, frt. alld. E. of Rockies	lb.	.08½-	—
l.c.l., same basis	lb.	.09½-	—
tanks, same basis	lb.	.07	—
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.			
Orthoisopropyl N-phenylcarbanate (see IPC).			
Orthoisopropylphenol, dms., c.l.	lb.	.29	—
l.c.l.	lb.	.30	—
tanks	lb.	.28	—
Orthonitroanilin, dms.	lb.	.50	.53
Orthonitrochlorobenzene, dms.	lb.	.17	.18
Orthonitrobiphenyl, tech., dms., c.l., works	lb.	.19½-	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Orthonitroparachlorophenol, cns.	lb.	.75	—
Orthonitrophenol, dms.	lb.	.66	.77
Orthonitrotoluene, dms.	lb.	.12	—
Orthophenetidin, dms., works	lb.	.90	—
Orthotoluidin, dms., c.l., works	lb.	.19	—
l.c.l., same basis	lb.	.20	—
tanks, same basis	lb.	.18	—
Orthotolidin, distilled, kgs.	lb.	1.10	—
Osage orange crystals, bbls., l.c.l	lb.	.33½-	—
extract, liquid, bbls., l.c.l.	lb.	.15½-	—
Ouabaine, USP, ootz	gram.	3.00	4.00
Ox gall, conc., gran., fib. dms., 5 lbs. and up	lb.	2.50	—
Oxyquinolin sulphate, cns., 100 lbs. works	lb.	4.50	5.00
smaller lots, works	lb.	5.05	5.15

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Pancreas substance, assay 1:75	lb.	5.75	6.25
Pancreatin, USP	lb.	2.50	3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00	—
Papain, powd., NF, cs.	lb.	2.00	3.00
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots	oz.	5.00	—
smaller lots	oz.	5.05	5.20
Sulphate, cns.	oz.	7.10	7.35
Paprika, Chilean, bgs.	lb.	.20	.21
Portuguese, bgs.	lb.	.34	.35
Spanish, bgs.	lb.	.42	.43
Para-anisidin, dms., works	lb.	.80	—
Parachlorophenol, dms., c.l., frt. equald.	lb.	.27	—
l.c.l., same basis	lb.	.28	—
Parachloroanilin, dms., frt. alld. E. Miss.	lb.	.70	—
Parachloro-orthonitroanilin, dms.	lb.	No stocks.	
Paracresol, 98%, dms., works	lb.	.50	.65
Paracymene, dms., works, 50 gals. or more	gal.	2.50	—
smaller quantities	gal.	3.00	—
Paradibromobenzene, bgs., 500-lb. lots, works	lb.	.45	—
Paradichlorobenzene, dms., c.l., works	lb.	.11	—
l.c.l., same basis	lb.	.12½-	.14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb.	No prices.	
121-123 ASTM, bbls., c.l., ref'y.	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y.	lb.	No prices.	
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y.	lb.	.0675-	—
122-124 ASTM, loose, c.l., ref'y.	lb.	.0675-	—
125-127 ASTM, loose, c.l., ref'y.	lb.	.0675-	—
128-130 ASTM, loose, c.l., ref'y.	lb.	.0690-	—
130-132 ASTM, loose, c.l., ref'y.	lb.	.0695-	—
132-134 ASTM, loose, c.l., ref'y.	lb.	.0710-	—
135-137 ASTM, loose, c.l., ref'y.	lb.	.0720-	—
Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.			
Paraformaldehyde, 95%, dms., 1,000 lbs., works	lb.	.22	—
smaller lots, works	lb.	.23	—
91-92%, flake, fib. dms., c.l., works.	lb.	.11	—
10,000 lbs. or more, works.	lb.	.12	—
smaller lots, works	lb.	.13	—
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works	lb.	.12½-	.13½
5-10-gal. dms., l.c.l., works	lb.	.16½-	—
tanks, works	lb.	.11	—
USP, cbys	lb.	.51	.53
Paranitroanilin, kgs., works	lb.	.44½-	—
Paranitrochlorobenzene, kgs., works.	lb.	.18	—
Paranitrophenol, kgs., works, frt. equald.	lb.	.40	—
Paranitrotoluene, kgs., works	lb.	.39	—
Paraphenetidin, dms., works	lb.	.88	—
Paraphenylphenol, bgs., works	lb.	.28	.29
Paraphenylenediamine, crude, kgs., works	lb.	.77	—
refined, kgs., safe basis	lb.	1.35	—
Paratertiarybutylphenol, bgs., c.l., frt. equald.	lb.	.21	—
l.c.l., same basis	lb.	.22	—
Parathion tech., dms., c.l., works	lb.	2.50	—
l.c.l., works	lb.	2.55	—
Paratoluenesulphonamide, bbls., works	lb.	.70	—
Paratoluidin, bbls., works	lb.	.55	—
Pareira brava root, whole, bgs.	lb.	.30	.31
ground, bxs.	lb.	.35	.37
powder, bxs.	lb.	.38	.40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E.	lb.	.31	—
l.c.l., same basis	lb.	.32	.33
Passion flower herb, bls.	lb.	.20	.25
Patchouli leaves, bls.	lb.	.45	.55
Peanut meal, 45%, sacked, mills.	ton.	80.00	—
Pectin, citrous, NF, powd., bbls.	lb.	2.05	2.08
tech., powd., bbls.	lb.	1.42	1.43
Penicillin, amorphous, calcium, USP, bulk, 100,000,000 to 25,000,000,000 unit lots	100,000 units.	.94	.05¼
Sodium, USP, unlabeled vials, 100,000 units	vl.	.09½-	—
200,000 units	vl.	.14	—
500,000 units	vl.	.29	—
1,000,000 units	vl.	.56	—
crystalline, potassium, unlabeled vials, 100,000 units	vl.	.102	—
200,000 units	vl.	.15½-	—
500,000 units	vl.	.34	—
1,000,000 units	vl.	.67½-	—
bulk, 100,000,000 to 25,000,000,000, unit lots 100,000 units.		.04½-	.05¾
procaine, regular or pulverized, bulk, 100,000,000 to 25,000,000,000 unit lots	100,000 units.	.05¼-	.06⅛
sodium, unlabeled vials, 100,000 units	vl.	.10¾-	—
200,000 units	vl.	.16	—
500,000 units	vl.	.35	—
1,000,000 units	vl.	.68½-	—
bulk, 100,000,000 to 25,000,000,000 unit lots	100,000 units.	.05¼-	.06⅛
Pennyroyal leaves, bls.	lb.	.28	.30
Pentachlorophenol, dms., works	lb.	.20	.25
Pentaerythritol, tech., bgs., c.l., works	lb.	.29	—
l.c.l., works	lb.	.31	.33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).			
Pentane, industrial, tanks, group 3.	gal.	10½-	11⅛
Pepper, black, bgs.	lb.	1.40	1.41
afloat, bgs.	lb.	1.40	1.41
Aug.-Sept. ship't, bgs.	lb.	1.38	1.39
Jan.-Mar., bgs.	lb.	1.02	1.03
Red, Carolina, futures, bgs.	lb.	.40	.42
Hontaka, bgs.	lb.	.65	Nom.
Louisiana longs, bgs.	lb.	.18	Nom.
Mombasa chillies, bgs.	lb.	.38	.39
Niger, capsicum, bgs.	lb.	.38	Nom.
birdseye, bgs.	lb.	.65	Nom.
White, bgs.	lb.	1.70	1.71
Peppermint, USP, dom., bls.	lb.	.50	.65
imported, bls.	lb.	.95	1.05
Pepsin, NF, bulk containers	lb.	3.90	—
Perchloroethylene, dms., c.l., zone 1, works, frt. alld.	lb.	.11	—
zone 2, same basis	lb.	.11½-	—
zone 3, same basis	lb.	.12	—
zone 4, same basis	lb.	.12	—
l.c.l., zone 1, same basis	lb.	.11¾-	—
zone 2, same basis	lb.	.12¼-	—
zone 3, same basis	lb.	.12¾-	—
zone 4, same basis	lb.	.12¾-	—
tanks, zone 1, same basis	lb.	.10½-	—
zone 2, same basis	lb.	.11	—
zone 3, same basis	lb.	.11½-	—
zone 4, same basis	lb.	.11½-	—
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms.	lb.	.85	1.00
Petrolatum, USP, amber, dms., c.l., New York	lb.	.04⅞-	—
l.c.l., same basis	lb.	.05¾-	—
Cream, dms., c.l., same basis	lb.	.06⅝-	—
l.c.l., same basis	lb.	.08	—
Extra amber, dms., c.l., same basis	lb.	.05¼-	—
l.c.l., same basis	lb.	.06	—
White, lily, dms., c.l., same basis	lb.	.06⅞-	—
l.c.l., same basis	lb.	.08¼-	—
snow, dms., c.l., same basis.	lb.	.07⅛-	—
l.c.l., same basis	lb.	.08½-	—
soft, dms., c.l., same basis	lb.	.06⅝-	—
l.c.l., same basis	lb.	.07½-	—

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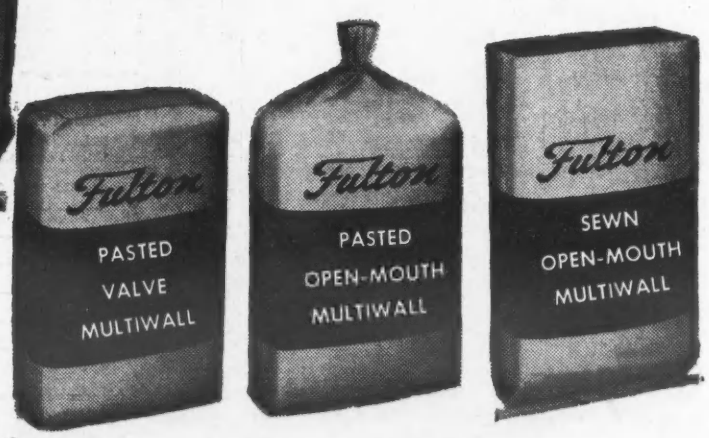

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Chicago 10, Ill., 357 West Erie St.	SUperior 7-3387	Chattanooga 2, Tenn., James Building	Chattanooga 6-6347
Philadelphia 6, Pa., 200-204 S. Front St.	LOmbard 3-6382	New Orleans, La., Cotton Exchange Bldg.	Raymond 7228
San Francisco, Cal., 517 Howard St.	Sutter 7507	Portland 9, Ore., 730 West Burnside Ave.	Beacon 1853
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Petrolatum, USP, Yellow—Quinine-urea Hydrochloride

Petrolatum, USP, yellow, soft, dms., c.l., same basis lb. .05 - —
Petrolatum, crude, bulk, at wells.
California bbl. 1.25 - 2.94
Illinois bbl. 2.46 - 2.88
Kentucky bbl. 2.43 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl. 1.28 - 2.775
Oklahoma-Kansas bbl. 2.23 - 2.65
Pennsylvania, lower field
Upper field bbl. 3.40 - —
Texas, East bbl. 2.70 - 3.40
Gulf coast bbl. 2.65 - —
North, North-Central bbl. 2.38 - 2.95
Panhandle bbl. 2.23 - 2.65
West bbl. 2.23 - 2.65
Wyoming bbl. 2.10 - 2.65
Ether, laboratory, 30°-60° C, cns., dlvd. E gal. 1.20 - 2.875
dms., c.l., group 3 gal. 1.50 - —
l.c.l., same basis gal. .26 - —
35°-60° C, 10-gal. cns., dlvd. E. gal. .44 - —
dms., c.l., Group 3 gal. 1.50 - —
l.c.l., same basis gal. .26 - —
40°-75° C, 10-gal. cns., dlvd. E. gal. .44 - —
dms., c.l., Group 3 gal. 1.50 - —
l.c.l., same basis gal. .26 - —
90°-160° C, ret. dms., ex tax, f.o.b. San Francisco gal. .44 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. .57 - —
light, tanks, refinery bbl. 1.80 - 1.90
Eastern, tanks, Albany, N. Y. bbl. 2.00 - 2.10
Baltimore, Md. bbl. 2.05 - —
Boston, Mass. bbl. 1.73 - —
Charleston, S. C. bbl. 1.78 - —
Jacksonville, Fla. bbl. 1.68 - —
New York, N. Y. bbl. 1.68 - —
Norfolk, Va. bbl. 1.73 - 1.75
Philadelphia, Pa. bbl. 1.73 - —
Portland, Me. bbl. 1.73 - —
Providence, R. I. bbl. 1.78 - —
Savannah, Ga. bbl. 1.755 - —
Diesel, tanks, refinery, California bbl. 1.68 - —
Pennsylvania gal. .081 - .115
gal. .0875- .09
Furnace, tanks, refinery, Arkansas, No. 2 gal. .06625- —
No. 3 gal. .0625- —
Bayonne, N. J., No. 2 gal. .075 - —
Group 3, No. 1 gal. .07 - .0775
No. 2, straw gal. .07 - .07875
range gal. .06 - .065
Pennsylvania, No. 1 gal. .07 - .0875
No. 2 gal. .0925- .105
No. 3 gal. .0875- .10
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles gal. .0875- .09
255 F, b.r., tanks, ex-tax, Portland, Ore gal. .147 - —
San Francisco gal. .158 - —
Seattle, Wash gal. .152 - —
East coast, tanks, N. J. and N. Y. refinery gal. .158 - —
Group 3, benzol-type, tanks, refinery gal. .16 - —
toluol-type, tanks, refinery gal. .12125- —
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .11125- .12125
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-363 o.r., tanks, same basis gal. .152 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .142 - —
East coast, tanks, N. J., N. Y., refinery gal. .152 - —
Group 3, tanks gal. .14 - —
tankwagon, Baltimore gal. .09675- .10625
Boston gal. .175 - —
Buffalo gal. .16 - —
Camden, N. J. gal. .165 - —
Chicago gal. .15 - —
Detroit gal. .197 - —
Kansas City, Mo. gal. .214 - —
Newark gal. .182 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .14 - —
Providence gal. .175 - —
Rochester gal. .165 - —
St. Louis gal. .18 - —
Syracuse gal. .19 - —
Washington, D. C. gal. .19 - —
Naphtha, cleaners, California, tanks, San Francisco gal. .175 - —
East coast, tanks, N. J., N.Y., refinery gal. .123 - —
Group 3, tanks gal. .14 - —
tankwagons, St. Louis gal. .10875- .11625
Newark gal. .19 - —
Chicago gal. .15 - —
Detroit gal. .197 - —
New York gal. .214 - —
Philadelphia gal. .15 - —
high-flash, 140° F, group 3, refinery, tanks gal. .14 - —
200-285 b.r., 37-38°C. mixed anilin pt., tanks, refinery gal. .13 - .145
25-26°C. m.a.p., tanks, same basis gal. .20 - .21½
270-370 b.r., 78-81°C, m.a.p., tanks, same basis gal. .21 - .24
49°C, m.ap., tanks, same basis gal. .23½- —
26-27°C, m.a.p., tanks, same basis gal. .26½- —
00-400 b.r., 28-32°C, m.a.p., tanks, same basis gal. .21 - .24½
340-410 b.r., 27°C, m.a.p., tanks, same basis gal. .21 - .27
32°C, m.a.p., tanks, same basis gal. .30½- —
36°C, m.a.p., tanks, same basis gal. .21 - —
340-440 b.r., 32°C, m.a.p., tanks, same basis gal. .21 - —
360-490 b.r., 25°C, m.a.p., tanks, same basis gal. .25½- .27
M.&P., ref'y, California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles gal. .21 - —
Portland, Ore gal. .147 - —
San Francisco gal. .158 - —
Seattle, Wash gal. .152 - —
East coast, N. J., N. Y., tanks, Group 3, tanks gal. .158 - —
tankwagon, Boston gal. .15 - —
Chicago gal. .10875- .11625
Detroit gal. .175 - —
Milwaukee gal. .207 - —
Minneapolis gal. .224 - —
Newark gal. .209 - —
New York gal. .207 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .165 - —
St. Louis gal. .185 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .20 - —
East coast, N. J., N. Y., gal. .152 - —
Group 3, tanks gal. .15 - —
gal. 10375- .10875

Petroleum solvent, Stoddard, California, tanks, ex tax, San Francisco gal. .142 - —
East coast, N. J., N. Y., tanks gal. .14 - —
Group 3, tanks gal. .09675- .11125
Pennsylvania, western, tanks, tankwagon, Boston gal. .10 - —
Chicago gal. .16 - —
Detroit gal. .197 - —
Milwaukee gal. .214 - —
Minneapolis gal. .199 - —
Newark gal. .197 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .14 - —
St. Louis gal. .175 - —
Syracuse gal. .19 - —
Sulphonate, 70% sulphonic content., ret. dms., c.l., works lb. .1715- —
l.c.l., works lb. .1750- —
tanks, works lb. .1525- —
50% sulphonic content, ret. dms., c.l., works lb. .1365- —
l.c.l., works lb. .1400- —
tanks, works lb. .2175- —
Phenobarbital, USP, dms., 100 lbs. lb. 4.00 4.35
Phenobarbital-sodium, USP, dms lb. 4.00 - 4.10
Phenol 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. l.c.l., same basis lb. .1275- —
tanks, same basis lb. .1350- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1100- —
l.c.l., same basis lb. .1275- —
tanks, same basis lb. .1350- —
USP, dms., c.l., same basis lb. .13½- .14¼
l.c.l., same basis lb. .1425- .1500
tanks, same basis lb. .1250- —
Phenolphthalein, USP yellow, bbls., dms., 2,000 lbs lb. 1.00 - —
smaller lots lb. 1.02 - 1.07
Phenothiazin, NF, fib. dms., 18,000 lbs., works lb. .44 - —
smaller lots, works lb. .46 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.35 - 2.65
100%, bots lb. 4.00 - 4.75
Phenylacetamide, dms., works, 1,000 lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 -37.50
Phenyldiethanoamine, dms., cl., works lb. .35½- —
l.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 2.45 - 2.70
Phenylethylphenyl acetate, bots lb. 3.75 - 6.00
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, CP, bots., works. lb. 5.00 - 5.07
commercial, kgs., works lb. 1.75 - —
Phenylmethylpyrazolone, d m s., works lb. 1.58 - 1.60
Phlororglucinol, CP, fib. dms., works lb. 13.75 -15.75
commercial fib. dms., works lb. 4.50 - 7.00
tech., fib., dms., works lb. 10.00 -10.75
Phosgene, 150-lb. cyls., works lb. .20½- —
10-lb. cyls., works lb. 1.50 - —
Phosphate, defluorinated (see under D)
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk; c.l., car at mine long ton. 3.60 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.00 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.60 - 4.80
75%-74%, b.p.l., c.l., same basis long ton. 5.60 - 5.80
77%-76%, b.p.l., c.l., same basis long ton. 6.60 - 6.80
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum short ton. 4.93 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run of mine, unground, 27-28% P_2O_5 long ton. 6.45 - —
30-29% P_2O_5 long ton. 7.21 - —
Phosphorus, red, amorphous, cs lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Phosphorus oxychloride, dms., works lb. .12 - .15
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .12 - .15
l.c.l., works lb. .13 - .16
Phthalamide, bbls., works lb. .35 - .40
kgs., works lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald lb. .21½- —
l.c.l., same basis lb. .22½- —
Phthalic anhydride prices on Pacific Coast same as above.
Pichi leaves, bgs lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Pierotoxin, USP, bots oz. 8.00 - —
Pilocarpine hydrochloride, NF, bots., vials oz. 6.50 - 7.50
Nitrate, USP, bots, vials oz. 6.25 - 7.25
Pimento, Jamaica, bgs lb. .22½- .23
Pinetar, retort, dms., incl. c.l., works, South lb. .045 - —
l.c.l., same basis lb. .0473- —
whse., N.Y.C. lb. .0595- —
tanks, works, South lb. .035 - —
Pinkroot, bls. lb. 1.70 - 1.80
Piperidine, 95%, dms., frt. equald. lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots lb. 8.50 - 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150°F. m.p., bbls., c.l., works ton. 34.00 - —
l.c.l., works ton. 36.00 -37.00
Cottonseed, dms., works lb. .08 - .08½
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East 100 lbs. 6.90 - —
Soybean, dms., works lb. .06 - .06½
Plaster of paris (see Gypsum).
Platinum metal, works oz. 69.00 -72.00
Pokeroot, bls lb. .14 - .16
Pleurisy roots, bls lb. .25 - .26

Podophyllin, NF, dms lb. 12.45 - —
Polystyrene, plain colors, dms., 29,920 lbs., frt. alld lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis lb. .32 - —
smaller lots, same basis lb. .34 - —
Special colors, dms., 29,920 lbs., same basis lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis lb. .35 - —
smaller lots, same basis lb. .37 - .50
Water-clear, dms., 29,920 lbs., same basis lb. .26 - —
20,020 lbs. to 20,920 lbs., same basis lb. .27 - —
smaller lots, same basis lb. .28 - —
Polystyrene in bgs. ½c. per lb. lower.
Pomegranate root bark, bgs lb. .68 - .70
Poppy flowers, bls lb. .50 - .55
Seed, Dutch, bgs lb. .18 - .18½
Polish, bgs lb. .14½- .15
Turkish, bgs., futures lb. .13½- .13¾
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 9.75 - —
liquid, dms., c.l., 45%, works. 100 lbs. 10.50 - —
l.c.l., works 100 lbs. 4.525 - —
tanks, works 100 lbs 5.025 - —
solid, 90%, dms., c.l., works. 100 lbs. 4.20 - —
l.c.l., works 100 lbs. 9.15 - —
regular, flake, 88-92% dms., c.l., works 100 lbs. 9.90 - —
l.c.l., works lb. .0815- —
liquid, 45% basis, dms., c.l., works lb. .089 - —
l.c.l., same basis lb. .03725- —
tanks, same basis lb. .0450- —
solid, 88-92%, dms., c.l., works. lb. .0340- —
l.c.l. works, lb. .0755- —
Potassium abietate lb. .0830- —
Acetate, USP, dms lb. .08 - —
Bicarbonate, USP, gran., dms lb. .31 - .36
powd., dms lb. .20 - .22
Bichromate, bgs., c.l., works lb. .22 - .24
l.c.l., bgs., works lb. .12¾- —
Potassium bichromate in bbls., ¼c. higher. lb. .12½- .13¼
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works ton. 192.00 - —
ton lots, works ton. 245.50 - —
less ton lots, works ton. 250.50 - —
Bromate, bbls., 1,000 lbs. or more. lb. .48 - —
25-200 lbs lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .53 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .0780- —
l.c.l., same basis lb. .0830- —
hydrated, 83-85%, bbls., c.l., works lb. .06¼- —
dms., l.c.l., works lb. .06¾ —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29
Chlorate, cryst., kgs., c.l., works lb. .08½- —
l.c.l., works lb. .09¾- —
powd., dms., kgs., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb. .31 - .33
Chloride, USP, cryst., dms lb. .25 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½- .38½
powder, dms. lb. .40½- .41½
Cyanide, dms., works lb. .52½- .55
Fluoride, dms., works lb. .24 —
Glutonate, dms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, 50-lb. lots, fib. dms lb. .90 - .93
Iodide, dms. lb. 2.10 - 2.13
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. unit-ton. .37½- —
Trona, Cal unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., purified, dms. bbls lb. .30 - .32
Perchlorate, kgs., c.l., works lb. .42 - .44
dms., l.c.l., works lb. .13½- —
Permanganate, tech., dms., works, USP, dms., works lb. .21¾- .22¾
ex whse lb. .23½- .24
Persulphate, dms., c.l., works lb. .20 - —
l.c.l., works lb. .17 - —
Phosphate, tetrabasic, bbls., works. lb. .21 - —
Prussiate, red, kgs lb. .13 - .13½
yellow, bbls lb. .60 - .63
kegs lb. .21 - —
Ricinoleate, tech., bbls lb. .26 - —
Silicate, glass, bgs., cs., works. lb. .18 - —
l.c.l. ton. 200.00 - —
Solution, 29° Be, ret. dms., c.l., works 100 lbs. 15.25 - —
l.c.l., 5 or more, works. 100 lbs. 4.25 - —
1-4, works 100 lbs. 5.00 - —
62° Be, net, dms., c.l., works. 100 lbs. 5.50 - —
l.c.l., 5 or more, works. 100 lbs. 4.75 - —
1-4, works 100 lbs. 5.50 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 6.00 - —
l.c.l., 5 or more, works. 100 lbs. 5.75 - —
1-4, works 100 lbs. 6.50 - —
Silicofluoride, bbls., works lb. 7.00 - —
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4 min. 90%, works ton. 32.50 - —
indust, bulk, works ton. 36.00 - —
NF, cryst., bbls. lb. .31 - .33
gran., dms lb. .18½- —
powder, dms lb. .17 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, cryst., NF, dms lb. .70 - .78
tech., works lb. .45 - .50
Titanate, ctns., c.l., works lb. .12 - —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .13
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works ton. 14.50 - —
Potassium-sodium ferricyanide, kgs., works lb. .50 - .53
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium exalate, bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Prickly ash bark, bls lb. .23 - .25
Berries, bgs lb. .55 - .75
Prince's pine herb, bls lb. .50 - .55

Procaine hydrochloride, USP, cns., 200-lb. lots lb. 4.25 4.75
smaller lots lb. 4.40 5.25
Progesterone, USP, 100 gms gm. 3.75 - —
Propane, commercial grade, tanks, group 3 gal. .02½- —
Propionaldehyde, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb. 2.30 2.40
Propylene dichloride, dms., c.l. lb. .08½ —
l.c.l. lb. .09½ —
smaller containers lb. 12½- —
tanks lb. .07 —
Oxide, dms., c.l., frt. alld. E lb. .20½- —
l.c.l., frt. alld. E lb. .21½- —
tanks, frt equald. E lb. 18½- —
Propyleneglycol NF dms., c.l., frt. alld. E lb. 17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 —
tech., dms., c.l., frt. alld. E lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 —
Methylether, dms., c.l., frt. equald. lb. .18 -
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Propylthiouracil, bots., 50 kilos or more, works kilo. 55.00 - —
smaller lots, works lb. 55.30 - —
Psyllium seed, black, bgs lb. .23 - .25
blonde, bgs lb. .19 - .21
husks, bgs lb. .45 - .50
Pulsatilla herb, bls lb. .45 - .50
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots. lb. .03⅜- .0
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03⅞- .04¼
fine, bgs., ton lots lb. .03⅜- —
smaller lots lb. .03⅞- .04
Italian, silk-screen, fine, bgs., ton lots lb. .04 -
coarse, bgs., ton lb. .05½- —
sun dried, fine, bgs., ton lots lb. .03 -
coarse, bgs., ton lots lb. .04½- —
Pumice in bbls is ½c. per lb. higher.
Pumpkin seed, bgs lb. .18 .28
Purple lake (see Red)
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb. 10.00 -11.00
Pyrethrum concentrate, liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 7.50 - 8.50
regular base, dms., works, gal. 7.40 - 8.40
(30 to 1) base 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal. 11.10 -12.60
regular base, dms., works. gal. 11.00 -12.50
Flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .33 - .37
powder, 1.3% pyrethrins, bbls., works lb. .46 - .52
Pyridin, denaturing, dms., works and frt. equald., c.l. gal. 2.00 - 2.69
l.c.l. gal. 2.00 - 2.72
refd., 2° non-ret. dms., c.l., same basis lb. .79 - .79½
l.c.l., same basis lb. .80 - —
ret. dms., c.l., same basis lb. .79 - —
l.c.l., same basis lb. .79 - —
Pyridoxin hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl ports. long-ton 8.00 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton. 11.00 -11.50
230 mesh bulk, c.l., mines ton. 12.00 - —
325 mesh, bulk, c.l., mines ton. 15.00 - —
No. 3, 200 mesh bulk, c.l., mines. ton. 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines ton. 9.00 -10.00
rubber grade, 140 mesh, bulk, c.l., mines ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .14 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works. lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works. lb. .17 - —
transparent, colorless, cs., works. lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .15 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —
USP, bots., dlvd lb. 9.54 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra lb. .17½ Nom.
liq., 35% tannin, bbls., works, tanks, same basis lb. .09 - —
solid, 64% tannin, bgs., c.l., duty extra lb. .08¼- —
powd., 70% tannin, bgs., c.l., same basis lb. .11½- —
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis lb. .18 Nom.
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .10¾- —
Quercitron crystals, bbls., l.c.l. lb. .12 - .16
Extract, liquid, bbls., l.c.l. lb. .33½- —
solid, bxs lb. .14½- —
Quicksilver, flasks (76 lbs.) net, 100 flask lots flask. 73.00 - —
smaller lots lb. 77.50 -78.00
Quince seed, bgs lb. .90 - 1.50
Quinindine, NF, V, cryst., cns oz. 2.10 - —
powd., precip., cns oz. 2.05 - —
Sulphate, USP, cns oz. 1.35 - —
Quinine, NF, cns., 100 ozs oz. 1.00 - —
Bisulphate, USP, cns., 100 ozs oz. .73 - —
Dihydrochloride, USP oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. 1.07 - —
Hydrobromide, NF, cns., 50-oz. cns oz. .91 - —
Hydrochloride, USP, cns., 100 ozs. lb. .91 - —
Hypophosphite, cns., 100 ozs oz. 1.35 - —
Phosphate, NF, cns., 100 ozs oz. 1.10 - —
Salicylate, NF, cns., 100 ozs oz. .95 - —
Sulphate, USP, cns., 100 ozs oz. .80½- —
Quinine-urea hydrochloride, NF, cns oz. .97 - —

For 17 years **General Electric has used Tri-Sure Closures**

in shipping

✓ RESINS
✓ VARNISH
✓ SHELLAC
✓ FORMEX ENAMEL
✓ GLYPTAL SOLUTION
✓ HEAVY PAINT

Resins, varnishes, shellacs and other liquids play an important part in the manufacture of many General Electric products. The quality of these liquids must be high. And to make sure that shipments can be made with security from tampering Tri-Sure Closures* are used.

Many firms in the first rank of American industry have used Tri-Sure protection since the inception of the Tri-Sure Closure in 1932. And during those 17 years, hundreds of shipments of G-E chemicals have attested the efficiency of the Tri-Sure *flange, plug* and *seal*.

Leading manufacturers of products shipped in drums will not accept a substitute for Tri-Sure Closures*—because their experience has proved that there is no substitute for *100% security* from leakage, seepage, tampering and contamination. You can give *your* shipments that kind of security—and give *your* product complete protection—by always specifying "Tri-Sure Closures" when you order drums.

* The "Tri-Sure" Trademark is a mark of reliability backed by 27 years serving industry. It tells your customers that genuine Tri-Sure flanges (inserted with genuine Tri-Sure dies), plugs and seals have been used.

Play Safe by Specifying **Tri-Sure** *On Every Drum Order*

Reg. U. S. Pat. Off.

CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Quinolin—Soda Ash

Quinolin, dms., c.l., works	lb.	80¾ -	54½
l.c.l., same basis	lb.	51¼ -	.55
tanks	lb.	.50	51

R

R salt, paste, dry basis, dms.	lb	70 -	75
Raspberries, dried, bbls.	lb.	1.90 -	2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.45 -	2.25

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies	lb.	1.35 -	—
light shade, bbls., same basis.	lb.	1.20	—
maroon, bbls., same basis	lb.	1.45	1.55
medium shade, bbls., same basis	lb.	1.30	—
medium-light shade, bbls., same basis	lb.	1.25	—
orange-red, bbls., same basis	lb.	1.15	—

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).

Red, crocus martis (see Red, maroon iron oxide).			
Dyes (see Dyes, coaltar)			
Eosin toner, bbls., works	lb.	.135 -	—
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y	lb.	.11½ -	11¾
iron oxide, synth., bgs	lb.	.11½ -	11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J	lb.	.05¼ -	09¼
special, high color, all shades	lb.	1.00 -	—
Lake C toner alizarin, bbls., works.	lb.	1.05 -	—
Lithol toner, bbls., works	lb.	.80 -	—
Lithol-rubin toner, alizarin, lake, bbls., works	lb.	1.40 -	—
Maroon, alizarin lake, 25%, kgs., works	lb.	.40	.43
toner, bbls., works	lb.	1.35	1.50
Cadmium, deep, bbls., works	lb.	1.20 -	—
regular, bbls., works	lb	1.10 -	—
Iron oxide, bgs., l.c.l., works	lb.	.04 -	—
MNPT toner, kgs., works	lb	3.25 -	—

Maroons in smaller pkgs., 5c. per lb higher

Mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.00 -	—
smaller lots, works	lb	2.02 -	—
Metallic, bbls., works	lb.	.02½ -	02¾
Oxide (see Red, iron oxide).			
Persian gulf, bgs., works	lb.	06¾	07
Para toner, bbls	lb.	.85	.88
chlorinated, kgs	lb.	.95	1.05
concentrated alizarin lake, kgs., works	lb.	.80	—
Phloxin toner (see eosin toner)			
Phosphotungstic, rhodamine Y, kgs., works	lb.	4.45 -	—
Red, pink lake, alizarin, bbls., works.	lb.	.20 -	.25
Purple lake, kgs	lb.	1.35 -	—
Rose lake, alizarin, bbls., works.	lb.	.25 -	.28
Spanish oxide, grade 1, bbls., c.l., ex dock	lb.	.05½ -	.05¾
l.c.l., ex dock	lb.	.05¾ -	.06
ex whse., New York	lb.	.06½ -	—
grade 2, bbls., c.l., ex dock	lb.	.05¼ -	.05½
l.c.l., ex dock	lb.	.05½ -	.05¾
ex whse., New York	lb.	.06¼ -	—
Toluidin toner (MNPT), kgs., works	lb.	1.35 -	—
Turkey, bbls., works	lb.	.14½ -	—
Tuscan, bbls., frt. equald	lb.	.24½ -	.25
Venetian, 15%, bgs., works	lb.	.0350 -	—
20%, bgs., works	lb.	.0360 -	—
25%, bgs., works	lb.	.0410 -	—
30%, bgs., works	lb.	.0440 -	—
35%, bgs., works	lb.	.0465 -	—
40%, bgs., works	lb.	.0490 -	—
Red, vermilion, Amer., bbls	lb.	.32 -	—
Quicksilver, ctns	lb.	2.27 -	—
Red Precipitate, NF powd., dms	fib. lb.	2.17	2.19
Red saunders wood, powd., bbls	lb.	.50 -	—
Rennin, NF	lb.	6.50 -	—
Resorcinol, tech., dms., works	lb.	.75 -	—
USP, cryst., dms., works	lb.	1.80 -	—
powd., dms., works	lb.	2.00 -	—
Monoacetate, NF, dms	lb.	3.25 -	3.45
Rhantany root, bgs	lb	.10 -	.12
Rhubarb root, whole, cs	lb.	.85 -	1.05
powd., bbls.	lb.	.90 -	1.25
Riboflavin, USP, bots	kilo.	125.00 -	—
Readily soluble, bots	kilo.	175.00 -	—
Rice bran concentrate, dms., Cedartown, Ga	lb.	79 -	—
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs	lb.	.28½ -	—
smaller lots	lb.	.29 -	.30
Rose flowers, pale, bls	lb.	.20 -	.24
Rosemary flowers, bls	lb.	1.55	1.65
Leaves, French, bls	lb.	.12 -	.17
Portuguese, bls	lb.	.06 -	.06½
Spanish, bls	lb.	.08 -	.08½
Rosin, gum (see Naval Stores, Protective Coatings market).			
Wood, B, dms., c.l., works	100 lbs.	4.25 -	—
FF, dms., c.l., works	100 lbs.	5.50 -	—
G, H, I, dms., c.l., works	100 lbs.	6.48 -	—
K, dms., c.l., works	100 lbs.	6.48 -	—
M, dms., c.l., works	100 lbs.	6.48 -	—
N, dms., c.l., works	100 lbs.	6.53 -	—
WG, dms., c.l., works	100 lbs.	6.53 -	—
WW, dms., c.l., works	100 lbs.	6.55 -	—
X, dms., c.l., works	100 lbs.	6.65 -	—
Rotenone, C.P., bbls., works	lb.	20.00 -	—
tech., works	lb.	16.50 -	—
Rottenstone, bgs., c.l., mines	ton.	36.00 -	—
l.c.l., mines	ton.	43.00 -	—
Rue herb, bls	lb.	.35 -	.40
Rutin, 10 kilos, fib. dms	gram.	.07½ -	.12
5 kilos, fib. dms	gram.	07½ -	.13
smaller lots, fib. dms	gram.	.08 -	.13½

S

Sabadilla seed, powd., bbls	lb.	.45 -	.50
activated ground with lime, bbls	lb.	.26	.27
Saccharin, USP, gran., soluble, 1,000 lbs	lb.	1.50 -	—
smaller lots	lb.	1.60 -	1.70
powd., soluble insoluble, dms., 1,000-lb. lots	lb.	1.55	—
smaller lots	lb.	1.65	1.85
Safflower, Egyptian, bls	lb.	.80 -	.85
Saffron, Mexican, bls	lb.	.95 -	1.00
Spanish, USP, tins	lb.	17.00 -	18.00
Safrol, dms	lb.	.68	.75
Sage, Cyprus, bls	lb.	.08 -	.09
Dalmatian, bls	lb.	.28 -	.29
Greek, fancy, bls	lb.	.13½ -	.14
Spanish, bls	lb.	.13½ -	.14
Syrian, bgs	lb.	.21	Nom.
Sago flour, bgs	lb.	.0635 -	.0650
Saligenin, ctns., works	lb.	14.00 -	25.00
Salol, NF, gran., bbls., kgs	lb.	1.00 -	—
fib. dms	lb.	1.02	1.03
powdered salol, 10c. higher			
Salt, rock, burlap bgs., c.l.	100 lbs.	.98 -	—
l.c.l.	100 lbs.	1.19 -	1.22
paper bgs., c.l.	100 lbs.	.88 -	—
l.c.l.	100 lbs.	1.09 -	1.12
Salt, table, vacuum, common, fine, bgs., works, c.l.	100 lbs.	.98	1.08
l.c.l., bgs. dlvd.	100 lbs.	1.20	1.32
USP, dms	lb.	.21 -	—
Saltcake, dom., bulk, dlvd	ton.	22.00	-24.00
Saltpeter cryst., bbls. 10 tons.	100 lbs.	13.90	—
smaller lots	100 lbs.	14.15	-14.40
gran., bbls., 20 tons	100 lbs.	9.25 -	—
smaller lots	100 lbs.	10.50	-11.00
powd., bbls., 20 tons	100 lbs.	10.25 -	—
smaller lots	100 lbs.	11.50	-12.00
NF, gran., dms	lb.	.15¾ -	17¾

Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.

Sanguinarine nitrate, bots	oz.	4.75	5.50
Santonin, NF, cryst., powd., cns	kilo.	190.00	-200.00
Saponin No. 1, cns	lb.	2.45	—
Sarsaparilla root, dom., bls	lb.	.40 -	.45
Honduras, bls.	lb.	.40 -	.45
Mexican, bls	lb.	.24 -	.30
Sassafras bark, ord., bls	lb.	.35 -	.40
select, bls	lb.	.50 -	.55
Savory, French, bls	lb.	.17 -	.18
Spanish, bls	lb.	.14 -	.14½
Saw palmetto berries, bgs.	lb.	.23 -	.24
Scammony resin, lump, cns	lb.	2.10 -	2.25
powd., cns	lb.	2.20 -	2.30
Root, bgs	lb.	.11 -	.12
Schaeffer's salt, bgs.	lb	60	67
Scopolamine hydrobromide, bots	oz.	20.50	-24.50
Hydrochloride, bots	oz	84.00	- —
Seidlitz mixture, bbls., 5,000 lbs	lb.	25¾ -	—
smaller lots	lb.	26¼ -	—
dms., 100 lbs. or less	lb.	27¼ -	31¼
Selenium, powd., cns., 10-lb. lots	lb.	2.10	—
cs., 1,000-lb lots	lb	2.00	—
Senega root, bls	lb.	1.20 -	1.30
Senna leaf, Alex., half-leaf, bls	lb.	.22 -	.24
sifting, bgs	lb.	.19 -	.21
Tinnevelly, No. 1, bls	lb.	.17 -	.24
No. 2, bls	lb.	.14 -	.19
No. 3, bls	lb.	.11 -	.14
Pods, bls	lb.	.12 -	.15
powdered, bls., bxs.	lb.	.16 -	.22
Serpentaria root, bls	lb.	2.25 -	2.50
Sesame seed, Brazil, bgs., afloat	lb.	.16½ -	.17
Chinese, white, nat., bgs	lb.	.12 -	.13
hulled, bgs.	lb.	.18 -	.19
Nicaragua, hulled	lb.	.25 -	.26
Salvadorean	lb.	.13 -	.13½
Turkish, yellow	lb.	.14½ -	.15
Shellac, bleached, bonedry, bgs., 1,500-lb. lots	lb.	.61½ -	—
bbls., 1,500-lb. lots	lb.	.62 -	—
kgs., 1,500-lb. lots	lb.	.64 -	—
refined, bgs., 1,000-lb. lots	lb.	.71½ -	—
bbls., 1,500-lb. lots	lb.	.72 -	—
kgs., 1,500-lb. lots	lb.	.74 -	—

bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

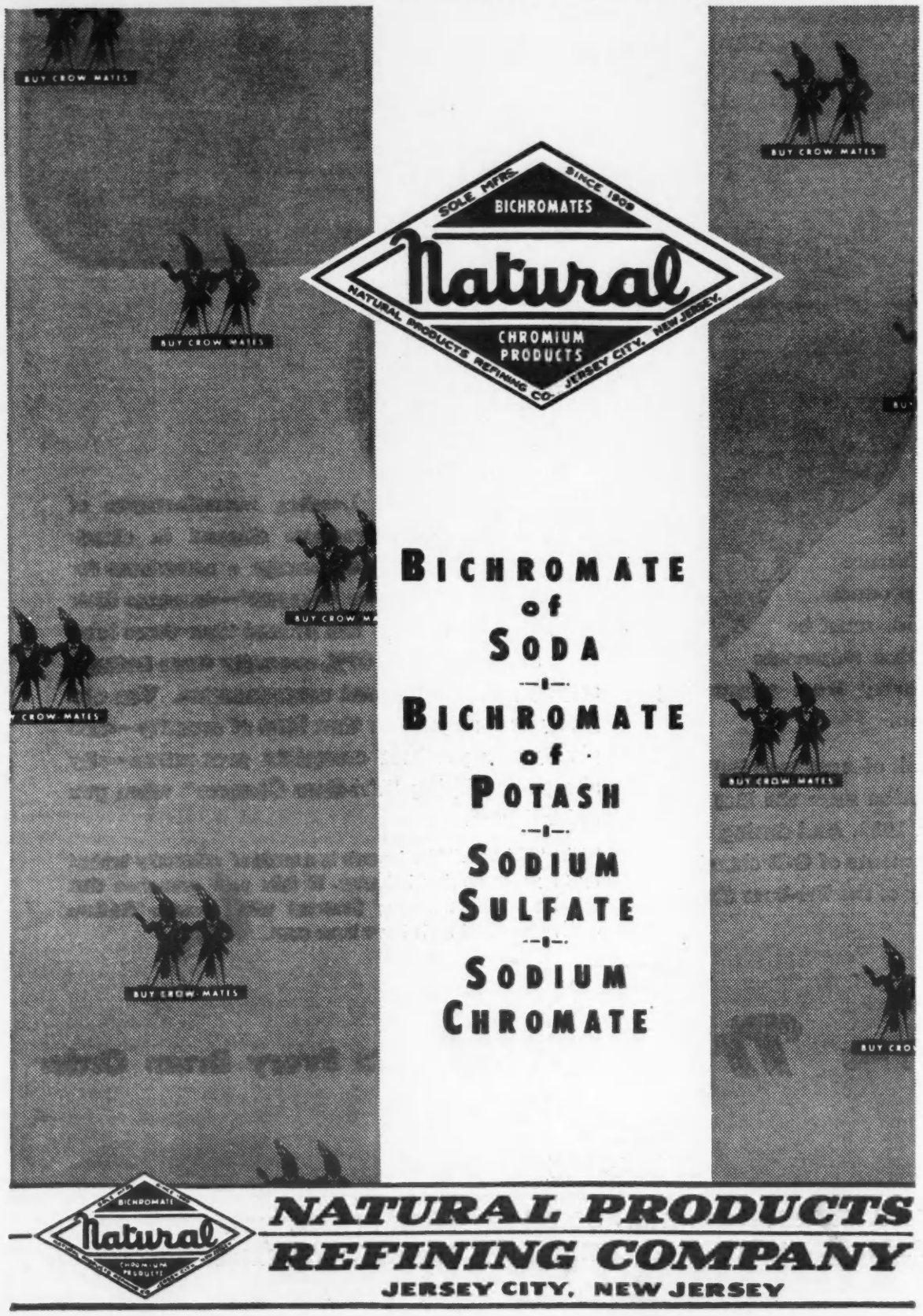
Lemon, No. 1, bgs	lb.	.68 -	.69
No. 2, bgs	lb.	.66 -	.68
Superfine, bgs., 10 bgs	lb.	.61 -	.62
TN, bgs., 10 bgs	lb.	.58 -	.59

Shellac in 1 to 9 bgs., 1c. more

Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works	ton.	20.00	-30.00
l.c.l., works	ton.	25.00	-40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	20.00 -	—
l.c.l., works	ton.	25.00 -	—
99½%, 140 mesh, bgs., c.l., works	ton.	12.00 -	—
l.c.l., works	ton.	17.00 -	—
Tetrachloride, tech., dms., c.l., works	lb.	.14½ -	—
l.c.l., works	lb.	.18½ -	.20¼
Silver bullion, ingots, cs	oz.	71½ -	—
Cyanide, fib. dms., 2,500-oz. lots.	oz.	.65⅝ -	—
1,000-oz. lots	oz.	.65⅝ -	—
500-oz. lots	oz.	.65⅞ -	—
100-oz. lots	oz.	.66⅛ -	—
Nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.45⅜ -	—
1,000-oz. lots	oz.	.46½ -	—
500-oz. lots	oz.	.47¼ -	—
250-oz. lots	oz.	.48 -	—

USP granular silver nitrate, 2c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots	oz.	.85 -	—
strong, NF, bots., dms., 1,000-oz. lots	oz.	.90 -	—
Simaruba bark, bls.	lb.	.85	Nom.
Skullcap herb, Eastern, bls	lb.	.60 -	.65
Western, bls	lb.	.30 -	.35
Skunk cabbage root, bls	lb.	.30 -	.35
Slate flour, bgs., c.l., works	ton.	11.00	-12.00
l.c.l., ex whse	ton.	20.00	-60.00
Sloe berries, bgs	lb.	.33	.40
Smalt, black, ctns	lb.	.11 -	—
Blue, ctns	lb.	.16 -	—
Snakeroot, Canada, bls	lb.	.43	.45
Soapbark, bls.	lb.	.17 -	.18
crushed, bls., bbls	lb.	.20 -	.21
cut, foreign, bbls	lb.	.21 -	.22
powd., bbls.	lb.	.23 -	.24
Soda ash, dense, 58%, paper bgs., c.l., works	100 lbs.	1.50	—
l.c.l., stock points	100 lbs.	2.75	4.52
bbls., c.l., works	100 lbs.	2.00	—
l.c.l., stock points	100 lbs.	3.25	5.02
bulk, c.l., works	100 lbs.	1.25	—
light, 58%, paper bgs., c.l., works	100 lbs.	1.40	—
l.c.l., stock points	100 lbs.	2.65	4.42



Soda ash, light, 58%, bbls., c.l., works..100 lbs. 1.90 - —
l.c.l., stock points....100 lbs. 3.15 - 4.92
bulk, c.l., works.....100 lbs. 1.15 - —
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.45 - —
l.c.l., stock points....100 lbs. 4.80 - 6.67
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis.....100 lbs. 2.40 - 2.50
70%, sellers' tanks, works, dry basis..100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.60 - —
solid, 76%, dms., c.l., works ... 100 lbs. 3.05 - —
l.c.l., stock points....100 lbs. 4.40 - 6.27
Sal, bgs., c.l., ex car.....100 lbs. 1.55 - —
l.c.l., bgs., ex whse....100 lbs. 1.75 - —
Soda-lime, USP, dms.....lb. .23 - .25
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works .....lb. .08 - .09
Alginate, refined, water soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots..lb. 1.25 - —
smaller lots .....lb. 1.30 - 1.65
Aluminate, 20,000 lbs., or more bgs..100 lbs. 8.50 - —
under 20,000 lbs., works.100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .31 - —
l.c.l., dlvd .....lb. .32 - —
Arsenate, dealers, dms., c.l., works. lb. .12 - —
Arsenite, dealers, dms., works lb. .13¼ - .14¼
solution, dms., works.....gal. .70 - 1.00
l.c.l., works.....lb. .11¾ - .11¾
Benzoate, tech., bbls., dms., 100 lbs. or more..lb. .39 - —
bbls., dms., 100 lbs. or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l., works .....100 lbs. 3.00 - —
powd., bgs., c.l., works.. 100 lbs. 1.95 - —
l.c.l., works.....100 lbs. 2.60 - —
Bichromate, bgs., c.l., works....lb. .10 - —
l.c.l., works.....lb. .10¼ - .10¼
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald..lb. .13¼ - —
l.c.l., same basis.....lb. .13½ - —
Bisulphate, bulk, c.l., works... 100 lbs. 1.75 - —
dms., c.l., works.....100 lbs. 2.40 - —
l.c.l., works .....100 lbs. 2.90 - —
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.75 - —
l.c.l., works .....100 lbs. 4.00 - —
solut. 35°, bbls., c.l., works.. 100 lbs. 1.10 - —
l.c.l., works .....100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .33 - .34
Cacodylate, NF, bots., dms....lb. 7.15 - 8.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, dms.....lb. .05¾ - .06¼
Chlorate, cryst., dms., c.l., works. lb. .07½ - —
l.c.l., works. .....lb. .07¾ - .08¼
powd., kgs., works. .....lb. .09 - —
Chloride (see Salt).
Chlorite, tech., dms., works... lb. .75 - —
Chloroacetate, tech., dms., c.l., works..lb. .20 - —
l.c.l., dms., works.....lb. .21 - .22
Chromate, bbls., dms., c.l., works. lb. .11⅝ - —
Citrate, USP VIII, bbls.....lb. .21½ - —
dms. .....lb. .22½ - .25¼
USP XIII, gran., bbls.....lb. .28 - —
dms. .....lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Cyanide, 96-98%, dms.....lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works..lb. .11½ - .12¼
anhydrous, dms., works .....lb. .14 - .15¼
Fluoride, white, 98%, bbls., c.l., works..lb. .10½ - —
l.c.l., works.....lb. .10¾ - —
95%, bbls., c.l., works....lb. .10¾ - —
l.c.l., works .....lb. .11 - —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb.12.00 - —
2 to 25 tins to case, works..lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works..lb.16.50 -21.00
tribasic, tons.....lb.11.00 - —
Formate, bgs., c.l., dlvd..100 lbs. 7.10 - —
l.c.l. .....100 lbs. 8.15 - —
Gluconate, dms. .....lb. .83 - .88
Glutamate, monobasic, kgs. ....lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls.....lb. 1.70 - 1.85
solution, 75%, cbys.....lb. 1.00 - 1.15
50%, cbys. .....lb. .82 - —
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld.....lb. .21½ - .22
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms.....lb. .23 - —
Hypophosphite, NF, 50-lb. lots, dms..lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.50 - —
l.c.l., same basis.....100 lbs. 3.90 - —
pea cryst., bgs., metro area.. 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars.....lb. 2.72 - 2.83
Lactate, edible, 50%, dms., c.l., works..lb. .18 - —
l.c.l., dms., works .....lb. .18¾ - —
tech., 50%, dms., c.l., works..lb. .12½ - .15
l.c.l., dms., works.....lb. .13 - .15¾
Metaborate, octa-hydrate, gran., bgs., c.l., works..ton.73.00 - —
l.c.l., works .....ton.118.00 -123.00
tetrahydrate, c.l., bbls., works. ton.184.50 - —
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works.....lb. .18½ - —
Metanilate, bgs. .....lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works..100 lbs. 4.25 - —
gran., bgs., c.l., works..100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.35 - 4.60
bbls., c.l., works.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.75 - 5.00
Molybdate, anhyd., works.....lb. .51½ - .63
Monohydrate, bgs., c.l., works. 100 lbs. 2.50 - —
l.c.l., works .....100 lbs. 2.45 - —
Naphthionate, bbls .....lb. .60 - .65
Nitrate, crude, dom., bgs., c.l., works..ton.48.50 - —
bulk, c.l., works.....lb.45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac.whse..ton.54.50 - —
bulk, c.l., same basis...ton.51.00 - —
USP, dms.....lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald..lb. .06¾ - —
West coast ports.100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.00

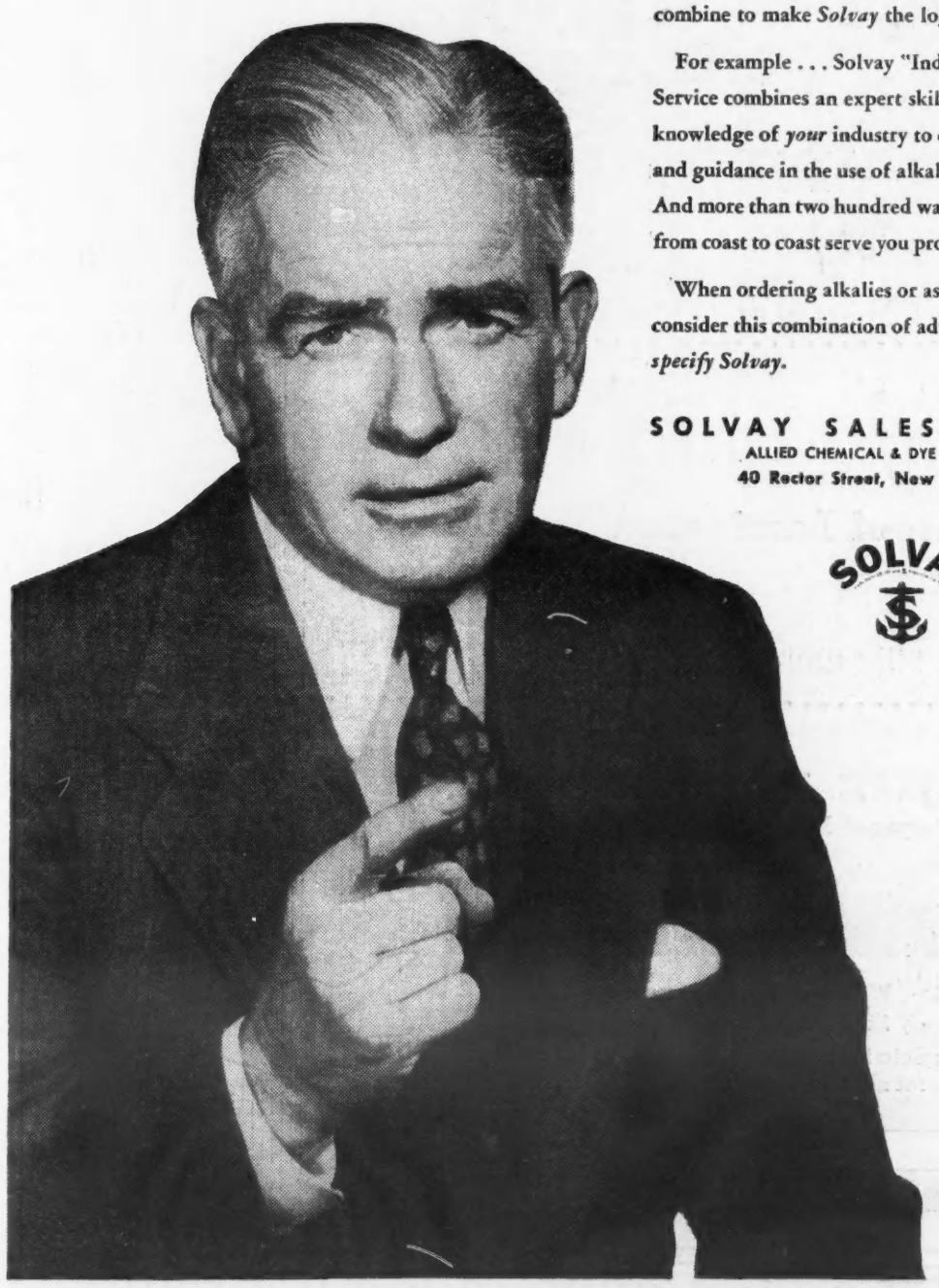
Sodium orthosilicate, anhyd., dms., c.l., works..100 lbs. 5.25 - —
l.c.l., same basis.....100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 - —
l.c.l., works .....100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works.....lb. .09½ - —
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .21½ - —
l.c.l., same basis.....lb. .22½ - .24½
pellets, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - .26
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis .... lb. .21 - .24
Perborate, USP, tech., bbls., c.l., works..lb. .18¾ - —
l.c.l., works .....lb. .19¼ - —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .18 - —
l.c.l., same basis.....lb. .18½ - .19
Phenolsulphonate, USP IX, gran., dms..lb. .33 - .34
powd., dms. .....lb. .36 - .37
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 6.75 - 7.00
l.c.l., works.....100 lbs. 7.25 - 7.50
cryst., bgs., c.l., works. 100 lbs. 3.35 - 3.60
l.c.l., works.....100 lbs. 3.75 - 4.00
USP, dried, powd., dms., works..lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works..100 lbs.10.00 - —
l.c.l., works .....100 lbs.12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald..100 lbs. 3.75 - —
l.c.l., same basis..100 lbs. 4.25 - —
Sodium phosphates in bbls., 40c. higher than bgs.

Sodium phosphate, USP (see Sodium phosphate dibasic).
Prussiate, yellow, bgs .....lb. .12½ - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.00 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works...lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 6.90 - —
l.c.l., frt. equald..100 lbs. 7.40 - —
Ricinoleate, tech., bbls.....lb. No stocks.
Salicylate, USP, cms.....lb. .57 - .60
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
bbls., c.l., works .... 100 lbs. 2.45 - —
l.c.l., bgs., dlvd. zone 1 . 100 lbs. 3.70 - 4.10
zone 2 .....100 lbs. 3.96 - 4.36
zone 3 .....100 lbs. 4.25 - 4.65
zone 4 .....100 lbs. 4.96 - 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd .....100 lbs. 5.40 - 5.65

Soda Ash, Light—Sodium Sulphite

Sodium silicate, 40°, turb'd., dms., c.l., works..100 lbs. 1.00 - —
l.c.l., works.....100 lbs. 1.25 - 1.35
tanks, works .....ton.16.00 -17.00
Silicate, 52° turbid, dms., c.l., works..100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - 2.15
tanks, works .....ton.32.00 - —
Silicofluoride, bbls., c.l., works lb. .04 - —
l.c.l., works .....lb. .04½ - —
Stannate, dms., works, frt. alld. E. lb. .58 - .633
Stearate, tech., bbls., works....lb. .40 - —
USP, anhyd., bbls., works...lb. .51 - .56
Sulphanilate, bbls., works.....lb. .22 - —
Sulphate, NF, VII, dried, gran., dms lb. .20 - .20½
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works .....100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls .... lb. .15 - .15½
Sulphide, flake, bbls., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis ....100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis ....100 lbs. 4.50 - 4.75
Sulphite, anhyd., tech., powd. bbls., c.l., frt. equald ... 100 lbs. 2.50 - 2.75
l.c.l., same basis ..100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works.100 lbs. 3.60 - —
l.c.l., works .....100 lbs. 4.00 - —
bbls., c.l., works.....100 lbs. 4.00 - —
l.c.l., works .....100 lbs. 4.40 - —
powd., bbls., c.l., works..100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 7.00 - —

"Why You Should Specify SOLVAY"



Chemicals are not bought on the basis of price and specifications alone. Other factors must be considered . . . plant facilities, plant locations, length of experience, Technical Service, convenience of warehouse locations for prompt and economical delivery. All these combine to make *Solvay* the logical choice for alkalies.

For example . . . Solvay "Industry-Wise" Technical Service combines an expert skill in alkalies with an intimate knowledge of *your* industry to offer invaluable counsel and guidance in the use of alkalies and associated chemicals. And more than two hundred warehouses and stock points from coast to coast serve you promptly and economically.

When ordering alkalies or associated chemicals, consider this combination of advantages and you, too, will *specify Solvay.*

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

SOLVAY

Soda Ash
Caustic Soda
Caustic Potash
Chlorine
Potassium Carbonate
Calcium Chloride
Nytron
Sodium Bicarbonate
Specialty Cleansers
Ammonium Bicarbonate
Sodium Nitrite
Para-dichlorobenzene
Ortho-dichlorobenzene
Monochlorobenzene
Methanol
Ammonium Chloride
Formaldehyde

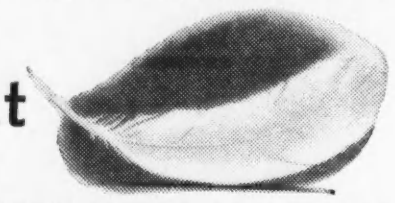
Sodium Sulphocyanide—Tetraethyl Pyrophosphate

Sodium sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45%, basis 100%, tanks, works ton.95.00 - —
Thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 - .12
Titanate, cns., c.l., works lb. .10 - —
lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, 100 lbs. 7.25 - —
l.c.l. 100 lbs. 7.65 - —
Tungstate, tech., kgs., works lb. 1.20 - 1.25
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .24 - .24½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16¼- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, tanks, works gal. .25 - .3235
high-flash, tanks, works gal. .25 - .3235
Solvent naphtha, petroleum, 100° F., flash, tanks, Baytown, Tex. gal. .25 - —
150°F, flash, tanks, same basis gal. .25 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼- —
ton lots, works lb. .24¼- —
less ton lots, works lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16½- —
ton lots, works lb. .17¾- —
less ton lots, works lb. .18½- —
tanks, works lb. 15¾- —
Soybean meal, 41% bulk, Decatur ton.86.50 - —
protein, chemically isolated, 40,000 lbs., works lb. .18 - —
20,000 lbs., works lb. .18¼- —
smaller lots, works lb. .18½- .22
mechanically refined, bgs., 40,000 lbs., works lb. .0575- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —
Sparteine sulphate, cns oz. 2.95 - —
Spikenard root, bls lb. .40 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works lb. .05¼- —
Squaw vine, leaves, bls lb. .35 - .40
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls lb. .08 - .10
powd., bbls., bxs lb. .14 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 - .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.39 - —
Chicago 100 lbs. 4.77 - —
l.c.l. 100 lbs. 5.54 - —
powd., paper bgs., c.l. 100 lbs. 5.50 - —
Chicago 100 lbs. 4.88 - —
l.c.l. 100 lbs. 5.70 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l. lb. .0595- —
l.c.l. lb. .07 - .07¼
Rice, bgs lb. .10½- .10¾
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs. lb. .0608- .0615
Stavesacre seed, bgs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07½- .08
Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .19 - .20
Seed, bgs lb. .20 - .21
Streptomycin, hospitals, vials gram. .80 - —
wholesalers, vials gram. .64 - —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls lb. .15½- .16½
Chloride, tech., bbls lb. .22 - .24
Chromate, bgs., frt. equald lb. .43½- .44
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 - 2.85
Strophanthin, NF, bots oz. 39.00 - —
Strophanthus seed, Kombe, bgs lb. 2.50 - 3.00
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - —
Sulphabenzamide sodium, dms., works lb. 4.25 - —
Sulphadiazin, USP, dms. works lb. 10.25 - 10.75
Sulphadiazin sodium, USP, dms., works lb. 11.25 - 11.75
Sulphaguanidin, USP, dms., works, lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works lb. 10.25 - 10.75
Sulphamerazin, sodium, USP, dms., works lb. 11.25 - 11.75
Sulphanilamide, USP, powd., bots., works lb. 1.30 - 1.45
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamidoquinoxaline, veterinary, dms lb. 20.00 - —
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 - 7.30
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works lb. 3.50 - 3.65
Sulphathiazole-sodium, USP, dms., works lb. 3.50 - 3.65
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton. 18.00 - —
vessel, f.o.b. Gulf ports, export, long ton. 22.00 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.69 - —
l.c.l., works 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 - —
l.c.l., works 100 lbs. 4.20 - 4.60
Sulphur flowers in bbls. 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l. works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.25 - —
l.c.l. bgs., works 100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works. lb. .03¼- —
l.c.l., works lb. .04¼- —
10-gal. dms., l.c.l., works lb. .08¼- —
Dioxide, liquid, com'l, cyls., works. lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd lb. .18 - —
Sumac bark, 28%, grd., bgs., ex dock ton. 75.00 - 77.00
Extract, No. 1, bbls lb. .10½- —
No. 2, bbls lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —
Leaf, 28% grd., bgs., ex-dock, ton. 75.00 - 77.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltic unit-ton. .76 - .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla unit-ton. .83 - —
Prices on 48% triple superphosphate in other states and D.C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls lb. 1.50 - 1.70

T

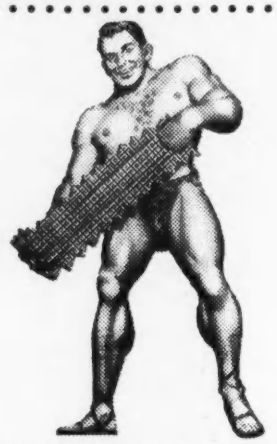
Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton. 25.00 - 35.00
Vermont, bgs., c.l., works ton. 14.00 - —
l.c.l., works ton. 17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton. 24.00 - —
l.c.l. ton. 26.50 - 28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton. 23.00 - 28.00
l.c.l., works ton. 25.00 - 32.00
imp., Canada, grd., bgs., c.l ton. 20.00 - 45.00
Tallow, inedible, extra, loose, dlvd. lb. .06½- —
fancy, loose, dlvd lb. .06¾- —
special, loose, dlvd lb. .06 - —
sulphonated, 25%, dms lb. .07½- .08
50%, dms lb. .10 - .10¼
Tamarinds, bbls lb. .14 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 10.00 - —
Chicago unit-ton. 10.50 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs lb. .09½- .09¾
medium grades, bgs lb. .08½- .09
low, bgs lb. .07 - .07¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .63 - —
tanks, same basis gal. .52 - —
Tar coal (see Coaltar)
Pine (see Pinetar).
Tara pods, bgs., c.l., ex docs U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton. 225 00 Nom
Tarragon herb, bgs. lb. .45 - .50
Leaves, bgs lb. .85 - .95
Tartar emetic, tech., gran., or powd., bbls., kgs lb .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb 13½- —
l.c.l., South lb 14 - —
tanks, South lb 13 - —
prime, dms lb. .35 - .60
Terp'nglycol ether, dms., c.l., works. lb. 19½- —
l.c.l., works lb. 20 - —
tanks, works lb 19 - —
Terpinyl acetate, extra, cns., dms. lb. .60 - 1.03
prime, cns., dms lb. .55 - .95
Terra alba (see Gypsum).
Testerone propionate, USP, 100 gms. gm. 5.25 - —
Tetrachloroethane, dms., works lb .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. 20½- .21½
smaller dms., works lb 23½- .25
tech. (see Perchloroethylene)
Tetraethyl orthosilicate dms., works. lb .70 - —
Pyrophosphate, 40%, cns., dms., works lb. .65 - .70

Light in Weight



YET THE

Strongest Shipping Bags Made



BEMIS

Waterproof Laminated Textile BAGS

BEMIS BRO. BAG CO.
Waterproof Department, 408-A Pine Street
St. Louis 2, Missouri

MAIL THIS COUPON TODAY

Bemis Bro. Bag Co., Waterproof Department
408-A Pine Street, St Louis 2, Missouri
Please send complete information on advantages of Bemis Waterproof Bags for shipping _____ (PRODUCT)
Name _____ Title _____
Firm Name _____
Street _____
City _____ Zone _____ State _____

"America's No. 1 Bag Maker"

Tetraethylenepentamine, dms., c.l., works..lb. .51½- —
l.c.l., works..lb. .52 - —
tanks..lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.15.00 -17.50
Theobromine, bots., kgs..lb. 5.00 - —
Salicylate, fib. dms..lb. 5.00 - 5.25
with sodium acetate, USP, fib. dms..lb. 4.00 - 4.45
Sodio-Salicylate, fib. dms..lb. 3.15 - 3.50
Theophylline, USP, bots., kgs..lb. 6.00 - 6.15
Thiamine hydrochloride, USP, dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms..lb. .34 - .35
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works..lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works..lb. .44 - —
Thorium nitrate, cs., works..lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs..lb. .16½- .17
Spanish, bls..lb. .09 - .09½
Thymol, USP, kgs..lb. 3.65 - 3.75
Iodide, NF, dms..lb. 6.80 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms. lb. .88 - .89
Crystals, hydrous, bgs., bots., works..lb. .71½- —
Metal, Bolivian..lb. 1.03 - —
Straits..lb. 1.03 - —
Oxide, bbls..lb. 1.01 - 1.02
Sulphate, stannous, bbls., kgs., works..lb. .98 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd..lb. .19½- —
l.c.l., dlvd..lb. .20 - .20½
plain, bgs., c.l., dlvd..lb. .19½- —
l.c.l., dlvd..lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works..lb. .05 - —
5-ton lots, works..lb. .05¼- —
milled, bgs., c.l., works..lb. .05¼- —
5-ton lots, works..lb. .05½- —
nonchalking, bgs., c.l., dlvd. E. lb. .21½- —
l.c.l., dlvd. E..lb. .22 - .22¼
Hydride, cns., works..lb. 7.00 - 8.00
Pigment, calcium-rutile base, bgs., c.l., dlvd..lb. .07½- .07¾
l.c.l., dlvd..lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 53-gal. dms..lb. .54½- .55
smaller, pkgs., works..lb. .65 - 1.22
technical, 5-gal. dms., works..lb. .32 - —
smaller pkgs., works..lb. .40 - 1.00
Tolu balsam, cns., dms..lb. 2.10 - 2.80
Toluene (see Toluol).
Toluidin base (see Orthotoluidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa..gal. .21½- —
Birmingham, Ala..gal. .20¼- —
Chicago district..gal. .23½- —
Cleveland district..gal. .23 - —
Dangerfield, Tex..gal. .23½- —
Geneva, Utah..gal. .19 - —
Hamilton, Ohio..gal. .22 - —
Johnstown, Pa..gal. .20 - —
Lackawanna, N. Y..gal. .23 - —
Philadelphia, Pa..gal. .24 - —
Pittsburgh district..gal. .20 - —
Sparrow's Point, Md..gal. .21½- —
St. Louis, Mo..gal. .25 - —
Syracuse, N. Y..gal. .20½- —
Terre Haute, Ind..gal. .24½- —
Woodward, Ala..gal. .20¼- —
Wyandotte, Mich..gal. .23 - —
Youngstown, Ohio..gal. .20½- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y..gal. .28 - —
Bayonne, N. J..gal. .28 - —
Baytown, Tex..gal. .25 - —
Chicago, Ill..gal. .27 - —
Detroit, Mich..gal. .28 - —
Philadelphia, Pa..gal. .28 - —
Providence, R. I..gal. .28 - —
Sewall's Point, Va..gal. .25½- —
Wood River, Ill..gal. .25 - —
Tonga, 50% bark and vine, bls..lb. .80 - .95
Tonka beans, Angostura, cks..lb. 1.75 - 1.80
Brazilian, cs..lb. .85 - .90
Surinam, cs..lb. .85 - .90
Toxaphene, dms., works, c.l..lb. .24 - —
truckloads, works..lb. .24 - —
ton to truckloads, works..lb. .27 - —
less than tons, works..lb. .30 - —
Totaquine, USP, 100-oz. lots..oz. .52 - —
Triacetin, dms., dlvd..lb. .35½- —
Tributyl citrate, dms..lb. .41 - .43
smaller containers..lb. .46 - .52
Phosphate, dms., c.l., frt. alld..lb. .56½- —
l.c.l..lb. .57½- —
smaller containers..lb. .71 - —
Tributylamine, dms., c.l., works..lb. .78 - —
l.c.l., works..lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald..lb. .10 - —
l.c.l..lb. .11 - —
tanks..lb. .08½- —
Trichloroethane, dms., c.l., works lb. .12 - —
l.c.l., works..lb. .13 - —
tanks, works..lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1..lb. .10½- —
Zone 2..lb. .11 - —
Zone 3..lb. .11½- —
Zone 4..lb. .11 - —
Trichloroethylene, dm., c.l., prices ½c. higher, l.c.l. 1¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar, dms., c.l., dlvd..lb. .35 - —
l.c.l., dlvd..lb. .35½- —
tanks, dlvd..lb. .33½- .34
petroleum, dms., c.l., dlvd..lb. .34½- —
l.c.l., dlvd..lb. .35 - —
tanks, dlvd..lb. .33 - —
Triethanolamine, dms., c.l., frt. alld. E..lb. .23 - —
l.c.l., same basis..lb. .24 - —
tanks, same basis..lb. .21½- —
Triethyl citrate, dms..lb. .34 - .38
smaller containers..lb. .39 - .45
Phosphate, dms., works, c.l..lb. .38 - —
dms., l.c.l., same basis..lb. .39 - —
tanks, same basis..lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld. E..lb. .20½- —
l.c.l., same basis..lb. .21½- —
tanks, same basis..lb. .19 - —
Triethylenetetramine, dms., c.l., works..lb. .51½- —
l.c.l., works..lb. .52 - —
tanks..lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, basis 100%..lb. .38 - —
l.c.l., works, basis 100%..lb. .38½- —
tanks, works, basis 100%..lb. .33 - —
Trimethylhexanol, dms., c.l., works. lb. .29½- —
l.c.l., works..lb. .30 - —
tanks, works..lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald..lb. .31 - —
l.c.l., frt. equald..lb. .32 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works. lb. .0175- —
double-grd., bgs., c.l., works..lb. .016 - —
single-grd., bgs., c.l., works..lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane, dextro-laevo, fib. ctns., works..kilo.207.00 -242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works..lb. 4.75 - —
Oxide, kgs., works..lb. 2.85 - —
Turmeric root, Alleppey, bgs..lb. .35 Nom.
Haitian, bgs..lb. .13 - .13½
Jamaica, bgs..lb. .14 - .15
Madras, bgs., futures..lb. .22 - .23
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East..gal. .48 - —
Wood dest. dist., dms., incl., c.l., works, South..gal. .40 - .53
l.c.l., same basis..gal. .41 - .55
N. Y. whse..gal. .55 - —
steam-dist., dms., incl., c.l., works..gal. .58 - —
l.c.l., ex whse., NYC..gal. .64 - —
tanks, works..gal. .32 - —
Tyrothricin, bots..gram. 1.15 - 1.25

U

Urethane, USP, dms..lb. 1.75 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs..lb. 2.55 - —
yellow, kgs..lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04½- —
l.c.l., works..lb. .05 - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east..ton.94.00 - —
45% N, bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west..ton.103.58 - —
paper bgs., c.l., 30 tons, frt. alld., Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east..ton.98.00 - —
40 tons, distributors, frt. alld. Colo., Mont., Wyo., and west..ton.107.15 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va..ton.125.00 - —
C and D grades, same basis, terms..ton.123.50 - —
37 grade, same basis..ton.147.50 - —
Uva ursi leaves, bls..lb. .11 - .12

V

Valerian root, Belgian, NF, bls..lb. .45 - .50
Valine, dextro-laevo, dms., works..lb.22.50 -27.50
Valonia beards, bgs., ex dock..ton. No stocks.
Cups, bgs., ex dock..ton.75.00 - —
Extract, powd., bgs., ex dock, duty extra..lb. .14½Nom.
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works..lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins..lb. 3.00 - 3.75
Mexican, cuts, tins..lb. 3.50 - 3.75
whole, tins..lb. 3.85 - 4.50

Vanillin, ex eugenol, tins, 25 lbs..lb. 4.00 - —
smaller lots..lb. 4.05 - —
ex guaicol, tins, 25 lbs..lb. 3.00 - —
smaller lots..lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots..lb. 3.00 - —
smaller lots, tins..lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½- .17½
5-gal. cns., works..lb. .30 - —
tanks, works..lb. .15 - —
Trichloride (see Trichloroethane)
Ether (see Ether, divinyl).
Vinylpyridin, ret. dms., works..lb. 1.50 - —
Viosterol, bots., 10 billion USP units, mill. units. .027 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units, mill. units. .035 - —
Vitamin A, natural, acetate, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm, 1,000,000 units. .40 - —
400,000 to 750,00 A units per gm., same basis 1,000,000 units. .42 - —
750,000 to 1,000,000 A units per gm., same basis 1,000,000 units. .45 - —
A, natural, alcohol, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm, 1,000,000 units. .39 - —
400,000 to 750,000 A units per gm., same basis 1,000,000 units. .41 - —
750,000 to 1,000,000 A units per gm., same basis, 1,000,000 units. .44 - —
A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units per gm...1,000,000 units. .45 - —

LOCATION + MODERN PLANT + EXPERIENCED PERSONNEL = HIGHEST QUALITY WAX

TEXOIL SERCO
MICRO-CRYSTALLINE
TEXOIL SEROX
EMULSIFIABLE
WAXES

SPECIFICATIONS

SERCO	MELTING POINT	PENETRATION 100 GRAMS 77° 5 SECONDS	COLOR NPA	ACID NUMBER	SAPONIFICATION NUMBER
212Y	195 - 200	2½ - 5	2½ - 3½	NIL	NIL
510Y	190 - 200	4 - 8	2½ - 3½	NIL	NIL
SEROX	MELTING POINT	PENETRATION 100 GRAMS 77° 5 SECONDS	COLOR NPA	ACID NUMBER	SAPONIFICATION NUMBER
66	180 - 185	6 - 8	6 - 8	30 - 40	75 - 90
88	180 - 185	5 - 8	5 - 7	15 - 25	55 - 75

TEXOIL's modern plant and equipment . . . located right in the heart of the great East Texas oil field where nature has deposited one of the world's greatest sources of crude oil, which results in vast deposits of petroleum residuum . . . in combination with TEXOIL's experienced personnel enables us at all times to consistently produce a uniformly high-grade wax. Texoil technicians are available for consultation.

YOUR INQUIRY IS INVITED

KILGORE Texoil SERVICE COMPANY

MAKERS OF MICRO-CRYSTALLINE WAX

M & M BUILDING HOUSTON 2, TEXAS • KILGORE, TEXAS • 141 BROADWAY NEW YORK 6, N. Y.

Vitamin A, Synthetic—Zein

Vitamin A, synthetic, palmitate, 850,000 A units per gm. 1,000,000 units. .50 - —

Vitamins, A concentrate (see Oil, fishliver).
B$_1$ (see Thiamine hydrochloride).
B$_2$ (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B$_6$ (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D$_2$ (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).

Violet, methyl toner (see Blue, methylviolet toner).

V.M.P. naphtha (see Petroleum naphtha).

Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls lb. 1.50 - 1.75
Tree bark, bls lb. .55 - .75

Wattle bark, fair average, ex E. Afr., bgs., ex dock ton 83.00 - —
merchantable, bgs., ex dock ton 80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08½- —
tanks, works lb. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09¼- .09¼
S. Afr., 62% tannin, ex dock, duty extra lb. .09¼- .09¼

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs lb. No stocks.

Wax, bees, bleached, USP, white, bricks, cs lb. .64 - .65
slabs, bgs lb. .63 - .64
crude, African, bgs lb. .45 - .47
western hemisphere, bgs lb. .45 - .47
refined, yellow, bricks, cs lb. .56 - .57
slabs, bgs lb. .55 - .56

Candelilla, crude lb. .45 - .47
refined, bgs lb. .48 - .50

Powdered candelilla, 20 mesh, 5c. per lb extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, No. 3, bgs., ton lots lb. .76 - .77
North Country, No. 2, ton lots lb. .84 - .85
No. 3, crude, bgs., ton lots lb. .81 - .83
refined, bgs., ton lots lb. .85 - .86
yellow, No. 1, bgs., ton lots lb. 1.10 - 1.12
No. 2 lb. 1.08 - 1.10

Powdered carnauba price differentials same as powdered candelilla.

Ceresin, dms., 132°-136° m.p., bgs. lb. .12½- .13
138°-140° m.p., bgs lb. .14½- .15
150°-160° m.p., bgs lb. .17 - .17½
Japan, bgs lb. .75 - .77

Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —

Wax, microcrystalline, 180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
Black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
White, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —

190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —

Montan, crude, dom., bgs lb. .31 - .32
Bohemian, bgs. lb. .22½- .23
German, bgs lb. .27 - .29

Ouricury, refined, bgs., ton lots, lb. .73 - .75

Ozokerite, fabricated, black, 180-190 m.p., bgs lb. .31 - —
182-183 m.p., bgs lb. .29 - —
171-172 m.p., bgs lb. .27 - —
white, 178-183 m.p., bgs lb. .26 - .27
170-172 m.p., bgs lb. .22 - .23
yellow, 180-190 m.p., bgs lb. .25 - .26
182-183 m.p., bgs lb. .20 - .21
178-183 m.p., bgs lb. .21 - .21½
170-172 m.p., bgs lb. .18 - .19

Spermaceti, blocks, cs lb. .32 - .33
cake, cs. lb. .33 - .34

White lead (see Lead, white).

White pine bark, rossed, bls lb. .13 - .20

White precipitate, USP, powd., dms., 50 lbs lb. 2.00 - —

Whiting, limestone, dry-grd., 325 mesh, ogs., 40 tons St. Louis, works ton 11.00 - —
40 tons, N. Y. whse ton 19.00 - —
smaller lots, St. Louis, works ton 13.50 - —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l. ton 14.50 -27.50
200 mesh, bgs., c.l. ton. No prices
90% 200 mesh, bgs., c.l. ton No prices.
water-floated, extra gilders, bgs., c.l. ton 14.50 - —
gilders, bgs., c.l. ton. No prices.
putty grade, bgs., c.l. ton 13.00 - —
surface treated, bgs., c.l., Ohio works ton 30.00 - —

Paris white, bgs., c.l. ton 25.00 -31.00
l.c.l. ton 25.00 -29.00
Precipitated, bgs., c.l. ton 18.00 -20.00
l.c.l. ton 22.00 -25.00

Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls lb. No prices.
thin, natural, bls lb. .13½- .16
rossed, bls lb. .17 - .18
Wild indigo root, bls lb. .30 - .31
Wild yam root, bls lb. .16 - .17

Witch hazel leaves, bls lb. .14 - .16
Woodflour, 40 mesh, bulk, c.l., works, East ton 32.00 - —
l.c.l., same basis ton 40.00 - —
60 mesh, bulk, c.l., same basis. ton 37.00 - —
l.c.l., same basis ton 45.00 - —
80-100 mesh, bulk, c.l., same basis. ton 40.00 -45.00
l.c.l., same basis ton 50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin)
Wormseed, American, bgs lb. .13 - .14
Levant, bgs lb. 4.15 - 4.25
Wormwood, leaves, bls lb. .40 - .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).

Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald lb. 21¾- —
l.c.l., same basis lb. 22¼- —
tanks, same basis lb. .21 - —
45°, dms., l.c.l., frt. equald lb. .24 - —
fractions, over 7° C. dms., c.l., same basis gal. .91 - —
l.c.l., same basis gal. .94 - —
tanks, same basis gal. .88 - —
Meta fraction, over 7° C, dms., c.l., same basis gal. .96 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —

Xylidins, mixed, dms lb. .45 - .50

Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala gal. 23¼- —
Chicago district gal. 28½- —
Cleveland district gal. .25 - —
Dangerfield, Tex. gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa gal. .24 - —
Lackawanna, N. Y. gal. .24 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md gal. .26 - —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y. gal. 23½- —
Terre Haute, Ind. gal. .25 - —
Woodward, Ala. gal. 23¼- —
Wyandotte, Mich gal. .27 - —
Youngstown, Ohio gal. 23¼- .28

Petroleum, industrial, 10°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich gal. .26 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. 25½- —
Wood River, Ill gal. .27 - —

Y

Yara, yara, cns lb. 2.00 - 2.25

Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms lb. .44 - .46
80 B units, per gram, 100 lb. dms lb. .49 - .51
200 B units, per gram, 100 lb. dms lb. .53 - .55
300 B units, per gram, 100 lb. dms lb. .57 - .59

Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .32 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below

Benzidin, bbls., dlvd lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies. lb. 2.65 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. .95 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, tracts lb. 30¼- —

Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¾c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l., works lb. .0166- .0275
French type, bgs., c.l. lb. .04½- —
l.c.l. lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0135- .0210
synth. bgs., c.l. works lb. .09 - —
l.c.l. works lb. .09¼- —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher, American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls, same basis as chrome lb. .23½- —
Yellow dock root, bls lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb. .28 - .30
Yohimbine hydrochloride vls oz. 3.25 - 4.00

Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - —

Zinc Chloride

FOR USE IN—Preserving wood; Finishing paper and textiles; Flameproofing and dyeing textiles; Galvanizing; Manufacturing vulcanized fibre, batteries and glue.

Zinc Sulphate

FOR USE IN—Fertilizers and orchard sprays; dyeing and printing textiles; Electro plating; Electro galvanizing; making rayon, paint, varnish, glue.

At Wheatland, Pa., Maneely Chemical Company has one of the most efficient, modernly equipped chemical plants in the country.

Glass lined vats and equipment and a new process combine to give a new high in uniformity, purity and quality.

Manco

Maneely CHEMICAL COMPANY

Dept. O • 1300 Bankers Securities Bldg. • Philadelphia 7, Pa.

Plant, Wheatland, Pa.

Zinc acetate, tech., bbls., dms.	lb.	.28¼	—
NF, dms.	lb.	.38	—
Arsenite, bgs., c.l., frt. alld. E. of Rockies	lb.	No stocks.	
l.c.l., same basis	lb.	No stocks.	
Borate, bgs., c.l., ship't pt., frt. alld., E.	lb.	.12 -	.15½
frt. alld. Pac. Coast	lb.	.15 -	.17½
l.c.l., ship't pt., frt. alld. E.	lb.	.12½ -	.16
frt. alld. Pac. Coast	lb.	.16¾ -	.19¼
Carbonate, tech., rubber makers, bbls., works	lb.	.10¾ -	—
precip., powd., dms.	lb.	.26 -	—
Purified precip., dms.	lb.	.37 -	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	7.00 -	—
l.c.l., works	100 lbs.	7.40 -	—
gran., bbls., c.l., works	100 lbs.	7.75 -	—
l.c.l., works	100 lbs.	8.15 -	—
solution, 50%, dms., c.l., works.	100 lbs.	3.80 -	—
l.c.l., works	100 lbs.	4.50 -	—
tanks, works	100 lbs.	3.25 -	—
NF, gran., dms	lb.	.42 -	—
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.38 -	.41
Dust, bbls., c.l., works	lb.	.1225 -	—
dlvd.	lb.	.1250 -	—
l.c.l., works	lb.	.1299 -	.1325
Fluoride, bbls., works	lb.	.40 -	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.17¼ -	—
l.c.l.	lb.	.17¾ -	.18
Iodide, NF, jars	lb.	4.85 -	—
Laurate, bbls	lb.	.45 -	.46
Linoleate, solid, 9½%, bbls.	lb.	.50 -	—
Metal slabs, E. St. Louis	lb.	.10 -	—
Naphthenate, liquid, 8% Zn., frt. alld.	lb.	.20¾ -	—
10% Zn. dms., frt. alld.	lb.	.25½ -	—
Oleate, fused, bbls	lb.	.36 -	—
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld.	lb.	.11 -	—
l.c.l., works	lb.	.11¼ -	—
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld.	lb.	.11 -	—
l.c.l., works	lb.	.11¼ -	—
leaded, 5%, bgs., c.l., ship't point, frt. alld.	lb.	.11 -	—
l.c.l., works	lb.	.11¼ -	—
35%, bgs., c.l., ship't point, frt. alld.	lb.	.12¾ -	—
l.c.l., works	lb.	.13 -	—
50%, bgs., c.l., ship't point, frt. alld.	lb.	.13½ -	—
l.c.l., works	lb.	.13¾ -	—
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld.	lb.	.13¼ -	—
l.c.l., works	lb.	.13½ -	—
green seal, bgs., c.l., ship't point, frt. alld.	lb.	.12¾ -	—
l.c.l., works	lb.	.13 -	—
red seal, bgs., c.l., ship't point, frt. alld.	lb.	.12¼ -	—
l.c.l., works	lb.	.12½ -	—
white seal, bgs., c.l., ship't point, frt. alld.	lb.	.13¼ -	—
l.c.l., works	lb.	.13½ -	—
USP, ctns., c.l., ship't point, frt. alld.	lb.	.14¼ -	—
l.c.l., same basis	lb.	.14½ -	—
Zinc oxide Pac. coast prices, etc., higher, bbl prices ¼c. higher than bgs.			
Phenolsulphonate, NF, gran., bbls., dms.	lb.	.28 -	.29
powd., bbls.	lb.	.31 -	.32
Resinate, fused, 1% Zn., dms., frt. alld.	lb.	.20 -	—
precip., dms., frt. alld.	lb.	.22 -	—
Silicofluoride, bbls., works	lb.	.10 -	.10¼
Stearate, tech., USP, ctns., c.l.	lb.	.34 -	—
ton lots	lb.	.35 -	—
less ton lots	lb.	.36 -	—
Sulphate, cryst., 22% Zn. bgs., c.l., works, frt. alld.	100 lbs.	4.55 -	—
l.c.l., same basis	100 lbs.	4.95 -	—
flake, 25½%, Zn, bgs., c.l., works	100 lbs.	5.50 -	—
l.c.l., works	100 lbs.	5.70 -	—
powd., 36% zn., bgs., c.l., dlvd. same basis	100 lbs.	7.00 -	7.40
l.c.l., same basis	100 lbs.	7.40 -	7.75
Zinc sulphate in bbls. 40c. higher			
USP, gran., dms	lb.	.22 -	.22½
Sulphide, pure, bgs., c.l., frt. alld.	lb.	.13¼ -	—
l.c.l., works	lb.	.13½ -	—
Barium pigment, bgs., c.l., dlvd.	lb.	.08 -	—
l.c.l., works	lb.	.08¼ -	—
Calcium, pigment, bgs., c.l., dlvd.	lb.	.08 -	—
l.c.l., works	lb.	.08¼ -	—
Luminescent pigment, frt. alld.	lb.	1.00 -	3.00
Magnesium pigment, bgs., c.l., dlvd.	lb.	.08 -	—
l.c.l., dlvd.	lb.	.08¼ -	—
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.			
Yellow (see Yellow, zinc)			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	7.00 -	—
l.c.l., bags, works	100 lbs.	7.40 -	—
Zinc-cadmium sulphide, fluorescent, ctns., frt. alld.	lb.	2.00 -	2.80
Zinc-calcium resinate, dms., c.l., works	lb.	.1180 -	.1360
l.c.l., same basis	lb.	.1229 -	.14
Zinc-formaldehyde sulphoxalate, basic, dms., works	lb.	.23 -	.23¼
normal, dms., works	lb.	.43 -	.45
Zircon (see Zirconium silicate).			
Zirconium acetate, 13% sol. ZrO_2, bbls., works	lb.	.21¼ -	—
Zirconium carbonate, basic, cake, bbls., works	lb.	.30½ -	—
Hydride, ctns., works	lb.	7.00 -	—
Nitrate, dms., works	lb.	1.75 -	—
Oxide, 98½-99% white, grd., bbls. or bags, works	lb.	1.50 -	—
lump, electric-fused, bgs., works	lb.	.44 -	—
5 tons, works	lb.	.44½ -	—
1 ton or less, works	lb.	.45 -	.48
milled, electric-fused, bgs., c.l., works	lb.	.58 -	—
5 tons, works	lb.	.59½ -	—
1 ton or less, works	lb.	.60 -	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½ -	—
Silicate, granular, bgs., c.l., works.	lb.	.03¼ -	.03¼
10 tons, works	lb.	.03½ -	.04
5 tons, works	lb.	.04 -	—
1 ton or less, works	bl.	.04¼ -	.04¾
milled, bgs., c.l., works	lb.	.04¾ -	—
5 tons, works	lb.	.05¼ -	—
1 ton or less works	lb.	.05¾ -	.06¼
refined, bgs., c.l., works	lb.	.11 -	—
works	lb.	.11 -	—
5 tons, works	lb.	.11½ -	—
1 ton or less, works	lb.	.12 -	.16
Sulphate, cryst., ctns., c.l., works	lb.	.37½ -	—
5 tons, works	lb.	.38 -	—
1 ton or less, works	lb.	.38½ -	.39

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials, last printed in the May 2 issue of OPD, has been discontinued.

Oil Areas in Wyoming Mapped by Govt. Agency

The Geological Survey has published a map showing the geology and oil development in the vicinity of the Mush Creek and Osage oil fields, Weston County, Wyo., a chart showing the characteristics and correlation of upper Cretaceous sedimentary rocks in the central part of that state, and a geologic map of the Hartville uplift in eastern Wyoming.

The map, titled "Geology of the Mush Creek and Osage Oil Fields and Vicinity, Weston County, Wyoming," has been published as preliminary map 103 of the oil and gas investigations series. The chart, titled "Stratigraphic Sections of the Pre-Cody Upper Cretaceous Rocks in Central Wyoming," is preliminary chart 36 of the same series, and the geologic map, titled "Geology of the Hartville Uplift, Eastern Wyoming," is preliminary map 102 to the series. Prices of the three are 50 cents, 75 cents and $1, respectively.

They may be purchased from the map distribution office, Geological Survey, Denver Federal Center, Denver, Colo., or over the counter at room 1206, Federal Works Agency building, Washington; 305 Federal building, Casper, Wyo.; 230 New Customhouse, Denver; 234 Federal building, Tulsa, and 315 Federal building, Billings, Mont.

Pennsylvania Refining Has New Refined Solvent

The Pennsylvania Refining Company, Cleveland, has developed a new super-refined solvent, called "Penn Drake Super-Sol," which is claimed to be an ideal base oil carrier for insecticides where rapid evaporation is required. The new solvent has a flash point of 130 to 135 degrees and is claimed to be odor free. Descriptive literature has been published by the company.

Sun Oil Advances Southard

Sun Oil Company, Philadelphia, Pa., has appointed Samuel O. Southard acting district sales manager at Reading, Pa., to succeed Marshall C. Edmunds, who has resigned. Mr. Southard joined the Sun Oil Company in 1933 and was wholesale distributor representative for its Middle Atlantic region prior to his current assignment.

Mid-Valley Pipeline Plans Texas-Ohio Line

The Mid-Valley Pipeline Company, St. Louis, Mo., has awarded contracts for the construction of a 1,000-mile crude oil pipeline from Texas to Ohio. The new line, which will originate in the neighborhood of Longview, Tex., and terminate at Lima, Ohio, will be financed through purchase of Mid-Valley stock by the Standard Oil Company (Ohio) and the Sun Oil Company, and by additional funds borrowed from banks and insurance companies.

General Petroleum Names Ellis To Southern California Post

General Petroleum Corporation has appointed C. W. Ellis southern California division manager of its marketing department, to succeed J. O. Pfeifer, who has taken a leave of absence because of ill health. G. N. Ramseyer and Harte Burnette have been assigned to the southern California division as assistant managers. Mr. Ellis has been with the company since 1931 and was formerly division manager at Portland, Ore.

NEW KADOX-515 ZINC OXIDE

IMPROVES ALKYD ENAMELS

IN 5 WAYS

WITHOUT INDUCING HAZE

1. *Cuts indoor yellowing*
2. *Aids through-drying*
3. *Increases toughness*
4. *Adds to exterior durability*
5. *Improves exterior tint retention*

Kadox-515 is the ONLY zinc oxide specifically developed for use in alkyd enamels. It is designed to meet the need for a zinc oxide that would provide the above 5-way benefits without inducing hazing. Also, it provides the color, brightness, tinting strength and hiding power of normal zinc oxides.

May we send you samples?

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THE NEW JERSEY ZINC COMPANY

Founded 1848

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Directed 1900-1942, by Harry J. Schnell
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Job for a Solomon

Into the ubiquitous talk about where business is and whither it is going there has come a widespread averment that the primary essential in any plan or effort to keep things going is a wise policy. Nothing, of course, could be simpler, or more correct. But, when it comes to determining what is wise, there are almost as many definitions as there are definers.

Wisdom is not a common human attribute. If it were, there would be no reason ever for concern over the future in any area of human existence. Ignorance is bliss; but, its consequences are quite otherwise. At that, it is not so much to blame for the troubles of humanity as is the smartness which so commonly passes as wisdom.

A wise policy is best in everything. But, wise guys so far outnumber wise men in all constructing and determining of policies—or what pass for policies—that the value of an actually wise policy seldom gets a test. In truth, such a policy is almost unknown. If that were not so, there would be no need for the bickering and dickering which attend all efforts for the practical application of policies.

Wisdom is more difficult to define than is truth. The difficulty in both instances arises from the reluctance of definers to make the definitions full: they must be conditioned to some idolized or idealized exception, or, more commonly, fitted to the needs of the definer.

Much has been said about the wisdom, the desirability, and even the necessity of "selling" the fundamentals of the capitalistic economy to all who are a part of its operations. There can be no denying of any part of that objective. But, the job is not often successful, even in the all too few instances of its essaying, because the approach lacks the fullness of wisdom and of truth, which alone, could assure success.

A fairly large corporation in one of the big industries was recently lauded by an economic commentator for its "reasonable" presentation of the essential role of stockholders in industry. Among the cited items of that presentation were communications submitted to the labor force in the style of want ads. These included the following:—

"Wanted—Experienced open-hearth man who can furnish his own open-hearth furnace."

"Wanted—Machinists. Bring your own lathes .... We prefer men who have extra lathes."

The reactions of the workmen to that kind of talk have not been reported. Anyone who has any knowledge of the manner in which the ordinary man takes such smart cracks will be ready to believe that the purposed lesson did not get over. With wisdom, instead of wisecracking, the story of the investment in equipment required to provide jobs would have been told in straight talk with words and figures accurately fitting the case.

Yes, a wise policy is the only assurance of continued business stability and progress. But, the man who argues that wages can be raised and prices reduced is applying one kind of wisdom to the determining of the policy. The man who opposes that argument also is wise within his limitations and for his purposes. Those who declare governmental support to be essential to the welfare of this or that enterprise and those who would have all enterprise free and self-reliant alike are wise, each in the scope of his peculiar lights. So, also, are those who argue that only more and still more production will prevent a depression and those who contend that real assurance will come only through the development of adequate distribution. The problem is:—Where is to be found the real wisdom with which an actually wise policy can be determined?

Government by Pressure

In a recently published book, How to Do Business with the U. S. Government, is this advice:—"When you have business with Congress, go warily. Be sure you know what you want to do; then consult with specialists on how to do it." Out of their own experiences and from the transpirations of the discussions of the status of 5-percent and dearer influence in the business dealings of government, many businessmen are ready to declare that the concluding clause of that bit of advice is universally applicable in such dealings.

One hears weird tales of how you can't do business with Uncle Sam; of inside tips which get out to favored "small business" before the dates and other details are known to the unit which is to get the goods; of peculiar antipathies and antagonisms whereby no member of the national association of an industry can successfully bid to supply a product of that industry.

Such things would, of themselves, seem to have no part in the functionings of democracy. But, there can be no denying that influence and pressure not only have a part, but that they are essential, or at least inevitable. A member of the legal staff of the governor of one of the larger States recently told the bar association of that commonwealth that pressure groups were a legislative necessity in the development of proper responsiveness to the needs and wishes of the people. The speaker admitted that such groups frequently operated against the public interest; but, be contended, they are just as frequently essential to the execution of the will of the people.

Because of their franker attitude toward such things, businessmen did not get as much new and fascinating information as was said to have come to the investigating senators out of their looking into how the promoters of a racetrack were able to use one of the Washington "kingmakers" in getting out from under Federal building restrictions about two years ago. They are likely to disagree with the aforementioned State employee that the pressure group in any governmental area is nationally purposed as often as it is syndicalistic. They would be inclined to be quite outspoken in their comment on the assumed naivety of one of the senatorial probers of pressuring.

That member of the investigating committee which learned how racetracks could be constructed although building materials were under shortage-enforced control, was quoted as saying:—

"This committee is interested in knowing why civilians can wander around and bring pressure in Washington. It makes for bad government."

Businessmen also would like to know the why of pressuring. They will agree that it makes for bad government, even when exerted with respect to the functioning of the senate by butterbund opponents of freely competitive oleomargarin and other seekers of security in special privileges. "When you have business with Congress . . . consult with specialists on how to do it."

Washington Talks It Over

—*Continued from page 5*

hot, humid office, nobody feels like doing much work even at 10 o'clock in the morning.

Taxing Cooperatives

As he did in the last session of Congress, Senator John J. Williams of Delaware has introduced an mendment in the senate calling for taxation of cooperatives. If he is serious about this tax, however, his strategy this time appears to be slightly befuddled for he attached the amendment to HR 3905, which wraps up tax equality and excise tax repeal in one package. President Truman has already taken a firm position on the matter of excise tax repeal—virtually impossible until the next session of Congress at the earliest.

Senator Williams calls attention to the administration's objection to the repeal of excise taxes on the ground that additional funds would have to be provided from other sources to make up the loss of treasury revenue. His amendment, he claims, will raise several hundred million dollars of brand new revenue to the benefit of small business, which complains that it is seriously discriminated against by the tax exemption of cooperatives and other organizations and corporations that have found legal ways of doing business without paying income taxes.

The Delaware senator is correct in his statement that the administration has emphasized loss of revenue in refusing to consider repeal of the excise taxes. But, on top of that, President Truman has specifically stated that a lot of research by congressional committees and executive agencies is required before such a repeal move can be made.

Military Business Facilitated

The first positive result of the furore created over the Washington "five-per-centers" has been the establishment of a military procurement information office to provide a central directing service to businessmen seeking contracts with the military services. The new center is located in room 3-D-773 of the Pentagon, and the telephone number is REpublic 6700, extension 75321.

The chief function of the center will be to direct businessmen to the appropriate offices in the army, navy, and air forces which may be in the market for their products and services. The National Military Establishment emphasizes, however, that the center will not assist in obtaining contracts.

Liver Preparations as Drugs

Monographs for the four principal liver preparations which the drug industry has been marketing for years, now under attack of the Food and Drug Administration, are well on their way toward final adoption. Copies of the monographs have been published in the A.Ph.A. *Journal* preparatory to their inclusion in the forthcoming Fall revision of the National Formulary. When published in the latter the names given to the preparations will be official.

This means much more to manufacturers of the products than to suppliers of the preparations in consumer packages. When the names are published in the N.F. they become official and the manufacturers then are no longer subject to the complaint of FDA that a preparation called liver concentrate is misbranded because there is no standard for such a product. The monographs provide the standards for such products and thus remove this complaint.

However, the distributors still face the problem of how to label the product so as to comply with the adequate directions for use requirements of FDA. So much is still unknown of the fractional elements in liver and the ailments that can be treated beneficially with liver that adequate directions for use can't be written. And that is where the trouble with FDA begins.

Bugproof Cotton Bags

Department of Agriculture scientists have found a chemical treatment which successfully keeps insects from penetrating cotton bags. Dr. Richard T. Cotton, of the Bureau of Entomology and Plant Quarantine, and Winston B. Strickland, of the Southern Regional Research Laboratory, developed the treatment and worked out a practical method of application. The Textile Bag Manufacturers Association and several large bag manufacturers are interested in the commercial use of this treatment.

The insect-repellent treatment consists of pyrethrins or a mixture of pyrethrins and piperonyl butoxide, two insecticides that are of comparatively low toxicity to war-blooded animals. Tests to date indicate that food packed in properly treated bags is unlikely to be contaminated with these chemicals, but further investigation is needed. The chemicals can be applied to warp yarns at a practicable cost at the time these yarns receive the usual sizing treatment preparatory to weaving. Appearance is not materially changed, and the slight order imparted by the chemicals is not objectionable.

Before announcing their discovery, the scientists confirmed its effectiveness by exposing both treated and untreated bags containing insectfree flour for long periods of time in a room containing thouhands of hungry flour beetles and moths. In one such tests, bags made of treated cloth admitted no insects during seven months, while an untreated bag let in 563 insects.

Tree Nutrition Traced

The use of radioactive materials to trace the intake of phosphorus by trees has produced the answers to some important questions on tree nutrition which have bothered soil scientists for years. Dr. Harold E. Hammer, of the Department of Agriculture's Pecan Field Station, Albany, Ga., found some of the answers by using radioactive phosphorus in pecan trees.

Giving a tree a shot of radioactive phosphorus isn't as complicated a procedure as it might appear. Dr. Hammer simply drilled holes in the tree with an ordinary bit, inserted salts of potassium phosphate, added radioactive phosphorus solution, then plugged up the holes with rubber stoppers. Samples of leaves, stems, wood, bark, roots and nuts from the treated trees taken at intervals during the next five months showed that:—

1. The tagged phosphorus moved rapidly immediately after it was injected into the wood.

2. Movement was largely upward and outward from the point of injection. Signficantly higher accumulations were found in the upper parts than in lower parts.

3. Material injected in the trunk was distributed more uniformly through the tree than that from the roots or branches. Phosphorus applied to one side of the tree was not readily moved to the opposite side.

4. Apparently the phosphorus accumulates in the wood rather than in the bark. Approximately twice as much was found in the wood as in the bark.

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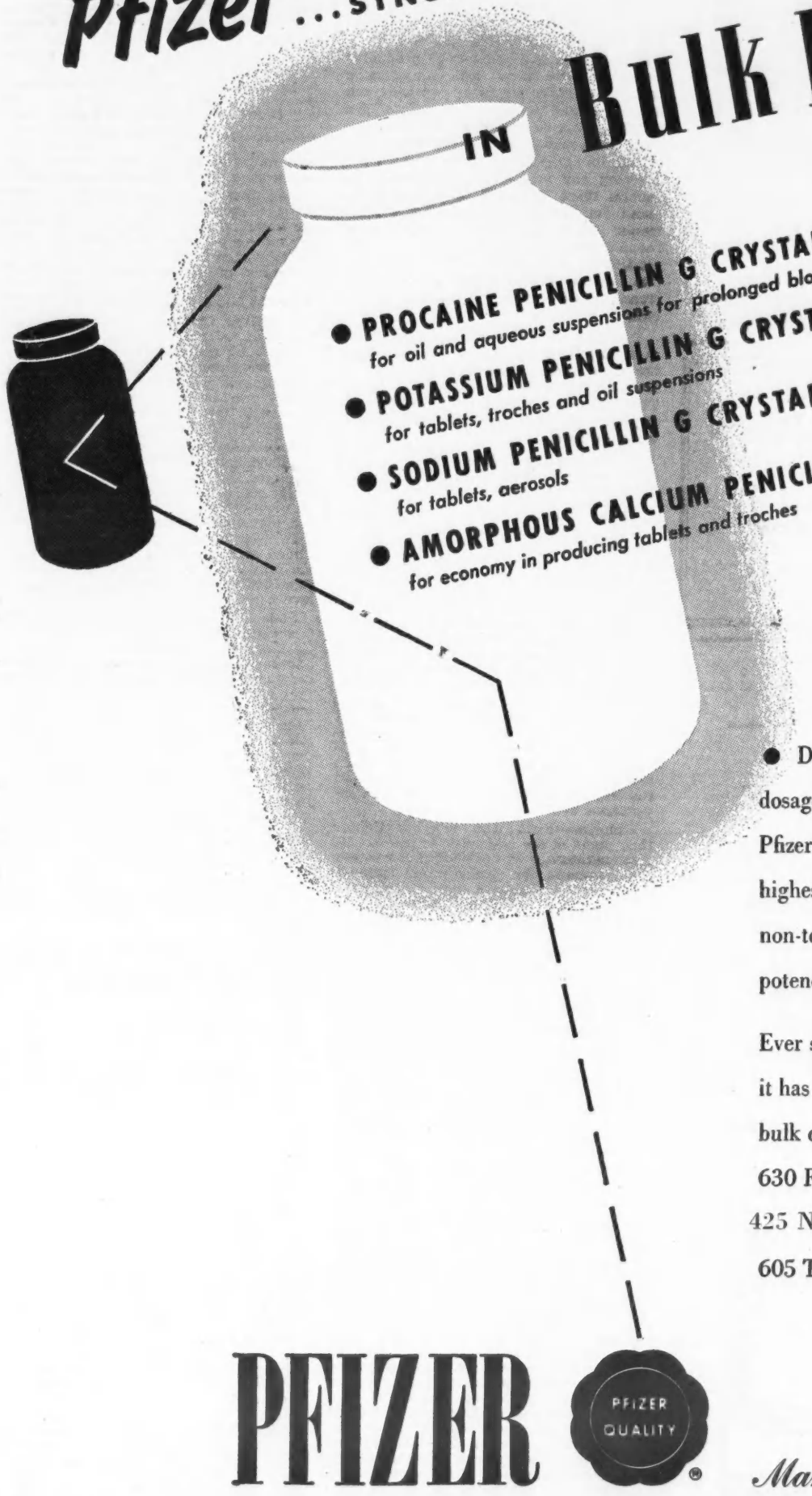
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Heavy Chemicals

Lead prices scored another fractional advance last week on buying attributed to consumers and to the government. Quicksilver was lower for round lot quantities with demand slow and activity confined to small purchases. The action of the lead market to date has not been reflected in prices of the lead based heavy chemicals but their background since the turn of the month has been substantially strengthened. The shortage of chlorine in small cylinders was more pronounced with demand steady. The chlorine situation is becoming a problem to producers owing to the slow call for caustic soda. The latter chemical and soda ash have continued in free supply and so have all the other chemicals affiliated with these basic materials. Copper sulphate is closing its agricultural season without uncovering any unusual developments. In general there has been an increased demand for immediate and nearby shipments. Consumers formerly discounting requirements for 60 to 90 days show a disposition to limit commitments to 30 days. The outlook is a bit brighter for an increase in sales after the vacation season ends.

Paper production based on a percentage of six-day capacity was 84.2 percent for the week ending August 6, according to the American Pulp and Paper Association. This compared with 84.7 in the preceding week, and 97.0 for the corresponding week in 1948.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census.

Alum, Potash - Chrome — Commanding some attention for photographic use but the fur dyeing and textile industries have not shown much interest of late. Stocks adequate to meet requirements. Drums are listed at 17c. per pound f.o.b. the works.

Ammonium Bicarbonate—Sales volume has shown improvement so far this month. The cracker bakeries have been the largest buyers. Stocks have been equal to demand and prices have continued firm.

Ammoniac Sal — White granular commanded more interest last week and it looked as though the dry-battery manufacturers were about to build up inventories. These interests have not shown much attention so far this Summer and the trade is under the impression that inventories are low.

Chlorine—Firm with supplies tighter than noted at the beginning of the month. The continuance of unusually hot weather has increased the pressure for cylinder chlorine and suppliers have experienced considerable difficulty in moving material on account of a scarcity of small cylinders. There was no overflow of tankcars either. It was pointed out that it producers find it necessary to reduce output to keep the supply of caustic soda in balance there are possibilities of a tight market in chlorine for an indefinite period.

Copper Sulphate—Agricultural demand was active last week, although producers admitted that sales were of clean up character and the season is on its way out. The agricultural year was a spotty affair and described by one supplier as a preliminary and a clean up season. The peak was passed during the early stages of the month while in other years it was reached in July. Shipments were curtailed this year on account of a cut estimated to average 20 percent in the potato crop. Stocks have been adequate to meet requirements, the principal delays being confined to special grades. There was never any shortage of crystals. The industrial demand has increased with buying operations not exceeding actual wants. No important activity for export. Prices firm and unchanged.

Nickel-Chloride—Sales have not been of extensive character although the aggregate is reported fair. There was no shortage of stocks with suppliers in a position to make immediate shipments.

Nickel Sulphate—Remained available for prompt shipment although some producers are out of the market as their output is still under contract. In other quarters stocks are long with prompt shipments readily available. Demand at present is described as spotty. Prices were unchanged.

Potash, Caustic—Inquiry from soapers and the vegetable oil trade showed a moderate increase for the liquid grade last week. The dry forms, however, remained quiet. Stocks of all forms were available for prompt shipment. Sales so far this month have averaged better than July.

Potassium Carbonate—Demand from the glass specialty trade was fair for the dry forms. It was stated there was more demand for calcined than hydrated. Sales for television tubes slowed down at the beginning of the month but picked up again last week. Liquid carbonate continued to find a slow outlet for textile use.

Potassium Chlorate—Market continued in a well balanced position with production holding about on even beam with demand from the match factories. Reasonably prompt shipments were available at former price levels. Perchlorate remained quiet with the fusee trade showing little interest.

Soda Ash—No appreciable improvement could be noted in the demand last week. The fact that the glass, paper and other major consuming industries are operating on a reduced scale was fully reflected in the movement of both light and dense soda ash. Export demand has also continued at a low level. Meanwhile, stocks are long and immediate shipments have remained readily available at former price levels.

Soda Caustic—Stocks of dry and liquid forms continued liberal and appeared to be increasing with rumors heard of an additional cut in production of both lime-soda and electrolytic processes. Demand for chlorine has continued relatively steady but according to reports there has been some backing up of electrolytic caustic soda. It is hoped that the Fall movement of caustic will be of sufficient dimensions to keep the supply situation in balance. Prices for carlot shipments are firm in all directions.

Sodium Chlorate — Buyers appeared content to cover requirement for a thirty day period and production is well under contract for most of September. Shipments are moving out regularly and the market is gradually assuming a better state of balance. Prices gave no indication of change.

Sodium Nitrite — Sales to the meat-packers and to the metal industry have been of sufficient dimensions to hold the market in balance. Prices were steady and without quotable change.

Sodium Phosphate—May production of meta was down to 2,019 tons, compared with 2,677 in the preceding month and 2,837 tons in May of last year. Output of tetra in May amounted to 5,586 tons, against 5,518 in April and 5,205 in May 1948.

Sodium Sulphate — Production in May was slightly higher than in April. The total was 10,250 tons of anhydrous refined, against 9,831 in April and 12,876 tons in May last year.

Zinc Sulphate — Sales have improved under cautious consumer buying. Interest last week was again mostly from the stearate manufacturers and for immediate shipment which indicated that inventories of sulphate were low. The inquiry from the glue trade was quiet with the rayon mills showing spotty attention. The tone of the market was firm backed by a strong feeling in the metal.

Acids

Chromic—Stocks have continued sufficient to meet the current demand without difficulty. Small lot sales for plating use have predominated and production is down proportionately with sodium bichromate.

Hydrofluosilicic — No unusual activity since the turn of the month. The breweries and other consumers are taking on supplies for actual wants but there is no desire to extend commitments at the present time.

Nitric—Production was slightly lower in May with a total of 99,800 tons. The

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
Lead, ¼c. per lb.

Prices Reduced
Quicksilver, $3.00 per flask.

Comparative Price Indexes
(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
222.4	222.4	222.4	220.0

Acids

Last week	Prev. week	Last month	Last year
121.8	121.8	122.0	122.4

(For Current Prices see Page 9)

April total was revised to 101,790 tons and in May 1948, output registered 86,487 tons. Stocks have continued adequate to meet the current extent of consuming demand.

Oxalic—Market steady at the late decline with no shortage of stocks and no significant increase in the extent of consuming demand. Buyers have continued to limit purchases to essential wants.

Phosphoric—Inquiry of fair seasonal dimensions is reaching the market and is being supplied without difficulty. May production was higher at 111,931 tons, including 56,196 tons made from phosphorus and 55,735 from phosphate rock. April production was revised to a total of 108,045 and in May last year 98,565 tons were produced.

Sulphuric — Industrial demand has shown improvement so far this month and shipments have been larger. Production has been sustained sufficiently to meet requirements promptly at former price levels.

Non-Ferrous Metals

Current scrap offerings by government agencies include the following:—(Pyote AF base, Pyote, Texas; invitation S-4; bids August 18) aluminum scrap, 75,000 pounds; brass scrap, 500 pounds; tin scrap, 1,500 pounds. (Philadelphia Naval Shipyard, Philadelphia 12; sales catalog B-11; bids August 19) aluminum borings, 5,000 pounds; aluminum scrap, 35,000 pounds; brass borings, 15,000 pounds; copper dross, 60,000 pounds; copper scrap, 15,000 pounds; monel scrap, 3,000 pounds.

Aluminum—Although production of primary aluminum in the United States increased nearly 15,000,000 pounds in the quarter ended June 30, 1949, shipments of sheet, plate and strip declined in the same period, according to the Aluminum Association. Primary production in the June quarter was 330,361,675 pounds, compared with 315,913,849 in the first quarter. Shipments for the June quarter amounted to only 173,572,494 pounds as against 258,798,426 in the first quarter.

It was said that while sales fell off this year, producers are hopeful regarding the future. The fact that they are maintaining production levels is taken as evidence of their desire to avoid a shortage should an increase in demand occur in the near future. There is also a feeling that the government may stockpile such a critical wartime material as aluminum for future contingencies. Finally, they believe that the continued stability of the price of aluminum, in contrast with the fluctuations of other metals, will tend to stimulate a resumption of buying.

Antimony — Canadian government control over the exportation of antimony, agricultural implements, fertilizers and several other items has been removed. The free movement of these commodities to any destination is no longer subject to restrictions, provided permits are available for the importation of such items as may be under control in other lands. The number of items for which export permits are now required has been reduced to 137 from a peak of 1,109 at the end of 1944, when wartime conditions demanded the imposition of stringent controls over the shipment of many products. Commodity shipments to countries participating in the European Recovery Program, and to certain other specified countries, are still subject to the area controls that were established in July, 1948. This situation will be reviewed in the near future, however, in an effort to reduce to a minimum the necessity for issuing individual export permits for non-strategic materials.

Copper—Continued purchases by consumers of copper held the market firm at 17⅝c. per pound for electrolytic. An additional advance in lead and a strong zinc market also contributed sympathetic strength to the copper situation. The ECA included $12,638,000 for the purchase of copper and copper products in its latest list of procurement and reimbursent authorizations.

Decline of 10 percent in mine output of copper in June (7 percent on a daily average basis) was smaller than anticipated, according to the Bureau of Mines. A comparison of June figures with April's when the recent sharp price decline began is more revealing. Production in June was 17 percent below April both on a total and a daily average basis. Among leading copper producing states, Nevada had the sharpest drop as compared with May, or 22 percent; Montana fell 18 percent, Arizona 14 and Utah only 2 (actually a slight rise in the daily production rate). Only Washington, Missouri and Michigan had larger outputs in June than in May.

Lead — Priced higher under continued purchases for consumer account. It was also stated that the government was increasing its holdings. Quotations were split at 15c. and 15⅛c. per pound, the former representing the producers' price and the latter referring to custom smelters. The Canadian price was also advanced to 15⅛c. delivered Montreal or Toronto.

Quicksilver—Lower prices have been named in the local market although it is asserted that the lower price applies only to round lots of 100 flasks or over and not to 10 or 15 flask lots. According to trade reports, there was a quantity of 500 flasks available at $75 per flask while small lots were priced at $77.50 to $78. An offering of 1,500 flasks of Japanese material had a floor price of $57 which after the duty and handling costs are added would represent a price of about $78. It was stated that the government's stockpiling program calls for 100,000 flasks of Italian quicksilver, 80,000 of which have been delivered.

Silver—No new developments to interrupt the even course of this market. No price changes have been recorded since February. The closing price for silver bullion in the New York market was 71½c. per ounce.

Silver Bullion Price Range

	Per ounce	
	New York	London
High	Feb. 14, 1949—71½c.	Jan. 14, 1949—43⅛d.
Low	Jan. 1, 1949—70c.	Jan. 1, 1949—42⅛d.

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Silicon Tetrachloride
Sodium Hydrosulphide
• Sulphur (Specially processed for all industrial and agricultural uses)
• Sulphur Chloride
• Sulphuric Acid
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Principals in Personnel Shift at Arnold-Hoffman

James A. Davies (left) has been assigned to the sales staff and Arthur C. Merrill jr. has been appointed to supervise the sales service and application laboratories of Arnold-Hoffman & Co., industrial chemicals and chemical specialties, Providence, R. I. Mr. Davies, who formerly supervised the sales service and application laboratories, has been associated with the company since 1946. Mr. Merrill was formerly chief chemist of the Lawrence Print Works Division, Aspinook Corporation.

controls is expected to be taken late this month. Department of Commerce stated that after the recent meeting of the Tin Plate Industry Advisory Committee in Washington, a press release was issued indicating further relaxation in the controls under conservation orders M-43 and M-81, on tin and containers, since that time a great number of inquiries have been made to the administrators of these orders requesting permission to use tin contrary to the present conservation orders.

The matter of further relaxations or possible elimination of end use controls as embodied in orders M-43 and M-81 is being carefully considered by the Department of Commerce, but it will be at least ten days to two weeks before official action is taken. It is requested that applications for uses of tin not now included in these conservation orders be withheld until the issuance of the new amended orders.

Zinc—Firm with consumers continuing to take prime western on the basis of 10c. per pound East St. Louis. Domestic demand was described as steady throughout the past week with galvanizers taking a fair tonnage. Export demand was quiet with no important sales recorded. The latest list of procurement and reimbursement authorizations issued by the Economic Cooperation Administration includes a total of $1,478,000 for the purchase of zinc base alloys and zinc products.

Total slab zinc smelter output including all grades was 74,569 tons in July, according to the American Zinc Institute. June output was revised to 73,989 tons. Domestic shipments were 62,443 tons, export and drawback 3,111 tons, government account 6,526 tons, showing a complete total of 72,080 tons, compared with a revised total of 66,900 tons for the preceding month. Stocks on July 31 were 85,408 tons, against a revised total of 82,919 on June 30. Unfilled orders at the close of July were 53,423 tons, compared with 42,705 on June 30. Average daily production was 2,405 tons, against a revised average of 2,466 in June and 2,323 tons over the year 1948.

Trade Briefs

Soda ash production in France during March of this year totaled 50,272 metric tons.

Sulphur production in Ecuador totaled 95,649 pounds in 1948, compared with 51,844 pounds in the previous year.

Aluminum foil plant will be built in Copenhagen, Denmark, by an American company in collaboration with a Danish firm.

Imperial Chemical Industries, Ltd., is reported to be expending £4,000,000 on construction and expansion of its plants in Australia.

Sulphuric acid production in the combined zone of Germany reached a postwar peak of 74,600 metric tons in March of this year.

Beryllium Corporation has elected Matthew J. Donachie a director. Mr. Donachie is vice-president and works manager for the company.

Raymond H. Ewell, Stanford Research Institute, Stanford, Calif., will supply copies of the proceedings of the symposium "What Are New Chemicals Good For," which was held by the section on chemical marketing at the last meeting of the American Chemical Society, at $1 per copy.

Mineral Investigations Reported by B. of M.

Recently issued reports of investigations by the United States Bureau of Mines, which are available free at the Publications Distribution Section, 4800 Forbes street, Pittsburgh 13, Pa., include the following on minerals of chemical interest:—

Chromite deposit in Shasta County, Calif. (4516).

Copper-zinc deposits in Cochise County, Ariz. (4505).

Magnesium well in Grand County, Utah (4496).

Mica deposits in Custer County, S. D. (4507).

Soapstone deposits in Gillespie County, Tex. (4509).

Vermiculite deposits in Llano County, Tex. (4486).

Zinc-Lead deposits in Presidio County, Tex. (4506).

Zinc tracts in Lawrence and Newton Counties, Mo. (4489).

Oak Ridge Institute Expands Isotopes Training Program

The Oak Ridge Institute of Nuclear Studies opened its tenth training school on radioactive isotopes on August 8, and reported that it has more than tripled the number of courses scheduled under the original training program. Officials of the institute reported a steadily increasing stream of applications for training in the field of isotopes, and further revealed that total attendance to date, including the tenth course, has reached 336 research workers.

Steel Shipping Barrels Output Up in May

Production of steel shipping barrels and drums increased during May, with the industry producing 1,920,984 heavy-type barrels and drums, and 667,150 light-type barrels and drums, and 4,519,481 steel packages, kegs and pails, according to a report by the Bureau of the Census. This compared with the production of 1,744,641 heavy-type barrels and drums, 645,657 light-type barrels and drums, and 4,051,375 steel packages, kegs and pails in April.

Aluminum Exhibit Opened

Sponsored by the Aluminum Company of America, an exhibit telling the story of aluminum from ore to consumer has been opened at the Museum of Science and Industry, Chicago. Central feature of the exhibit is a large, symbolical diorama depicting the pouring of molten aluminum into the channels of commerce and industry.

Humphrey-Wilkenson Opens Plant

Humphrey-Wilkenson, Inc., chemical manufacturer, has opened a new production plant and research laboratory at North Haven, Conn. The new facility has been equipped with new equipment for the production of a wide range of aliphatic derivatives.

Hooker Buys Plant

Hooker Electrochemical Company, Buffalo, N. Y., has concluded arrangements for the purchase of the Buffalo plant of the Ramapo Ajax Division of the American Brake Shoe Company. Actual transfer of the plant is expected to take place late this year or early next year.

Paykel Executives Visit E.F. Houghton & Co. Plant

Two foreign representatives for E. F. Houghton & Co., manufacturer of industrial oils, chemicals and leathers, recently visited the company's plant in Philadelphia. Horace Paykel, managing director of Paykel Brothers, Ltd., Auckland, New Zealand, and Victor Paykel, director of Paykel Brothers (Aust) Pty, Ltd., Melbourne, Australia, made the trip to study the latest developments in new Houghton products and manufacturing techniques.

Both Paykel Brothers organizations have represented Houghton as distributors in Australia and New Zealand for twenty-nine years, and since 1937 have been manufacturing under Houghton license and formulae specifications. The industrialists will continue their survey of Houghton's and other plants in England and the continent.

Iron Sintering Plants Planned by U.S. Steel

Construction of five new plants to process powdery iron ore to usable size and to recover iron from blast furnace flue dust is to be undertaken soon at strategic centers by steel producing subsidiaries of United States Steel Corporation. Completion of the new facilities will add some 1,800,000 net tons a year to the high grade iron ore available for United States Steel blast furnaces without requiring an equivalent increase in iron mining.

Large sintering plants will be built at the Gary, Ind., and South Chicago, Ill., plants of Carnegie-Illinois Steel Corporation, as well as at the Edgar Thomson and Carrie Furnace plants of that company in the Pittsburgh district. Another sintering plant will be installed at National Works of National Tube Company at McKeesport, Pa.

AICE Sets Program

—Continued from page 7

well Regulator Company, and "Heat Transfer in Agitated Vessels," by P. Ferencz, Canadian Industries, Ltd.

September 8

At the morning session the following papers will be heard:—"The Economic Significance of Newoundland as a Province of Canada," by Alvis S. Townsend, J. T. Donald & Co., Ltd.; "Water Power in Canada, Potentiality and Development, and Pattern of Utilization of Energy Produced," by Huet Massue, Shawinigan Water & Power Company; "The Canadian Aluminum Industry," by P. E. Radley, Aluminum Company of Canada; "Alberta Resources in Relation to Chemical Industry," by J. R. Donald, J. T. Donald & Co., Ltd.; "A Small Fluidized Solids Pilot Plant for the Direct Distillation of Oil from Alberta Bituminous Sand," by W. S. Peterson and P. E. Gishler, National Research Council, and "Pilot Plant Extraction and Separation of Some Chemical Constituents of White Spruce Bark," by C. T. Bishop, V. D. Harwood and C. B. Purves, McGill University.

The final technical session in the afternoon will be devoted to a symposium on chemical engineering in the food industries, and will feature the following papers:—"Factors in the Design and Operation of Spray Drying Equipment," by D. A. Smith, Swenson Evaporator Company; "New Tools for the Processing of Vegetable Oils," by C. E. McMichael, Girdler Corporation; "Waste Disposal in the Food Industries," by Horace Hinds jr., Corn Products Refining Company, and "Chemical Engineering Education for the Food Industries," by J. H. Rushton and M. E. Parker, Illinois Institute of Technology.

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Agricultural Chemicals

Continued purchases by the stock-feed trade advanced prices of dried blood last week, the market closing at the highest level since December, 1948. Contract prices have been lowered for castor pomace. Increased production of menhaden meal and scrap has increased competition in the Baltimore area; meal prices have been revised downward with an accompanying decline in quotations for menhaden scrap. Buyers of tankage supported the market but were not inclined to pay above former levels. Hoof meal was offered sparingly in Chicago with sellers firm at the late advance.

Ammonium sulphate remained steady for domestic use with coke-oven material relatively tight. It was stated that buyers have shown a disposition to shift to ammonium nitrate where the current supply is somewhat freer. The outlook for coke-oven sulphate continued rather clouded with sellers expressing concern over the possibilities of a steel strike. Increased production of potash has been sustained with contract shipments full and of better volume than noted a year ago at this time. Demand for superphosphate was of satisfactory seasonal dimensions but not sufficient to pinch the supply. Labor difficulties have resulted in the closing of a phosphate plant in the Southwest.

Short stocks of DDT and BHC have been insufficient to meet demand for immediate shipments. This demand is at the season's peak and producers cannot see any permanent easement in stocks for another month. The present inquiry is active for both home and export. The increased demand previously noted for copper sulphate continued last week.

Nitrogenates

Ammonium Nitrate—Inquiry was active with considerable contract business reported placed at current prices. Production in May amounted 93,566 tons of original solution. April output was 93,726 tons and in May, 1948, production was 76,000 tons, according to the Bureau of the Census.

Ammonium Sulphate—Production of converters' technical in May was 43,698,000 pounds, compared with 63,106,000 in April and 29,632,000 in May last year the Bureau of the Census states. Bureau of Mines gives sales of coke-oven ammonium sulphate at 139,773,048 pounds for May, compared with 146,523,186 for the preceding month and 183,483,400 for May, 1948. Total sales for the first five months of 1949 were 739,315,218 pounds, against 676,836,400 for the corresponding period in 1948. Prices for domestic shipment have remained steady with a heavy contract tonnage of coke-oven sulphate booked. Producers still show concern over the possibility of a steel strike.

Bone Meal—Feeders have continued to take sufficient quantities of both raw and steamed grades to keep the supply short for prompt shipment. Prices have not changed since the recent advance and the market position may be described as firm.

Castor Pomace—Contract sales to regular consumers have been made at lower prices. While no spot offerings have reached the market, contracts have been written at $21 per ton in bags, carlot shipments from works.

Dried Blood—Priced higher under purchases for the stock-feed interests. Sales in New York were reported at $10 per unit of ammonia and at $10.50 in Chicago.

Fish Meal—Increased production of menhaden meal occasioned by large catches of fish have eased the supply situation and prices have been lowered. The 60 percent protein grade was priced at $175 per ton and the 65 percent at $180 in bags, Baltimore area. Scrap was also priced lower at $165.

Hoof Meal—Firm at the recent advance to $7.50 per unit of ammonia. Available stocks limited at this figure with no additional sales reported.

Sodium Nitrate—Seasonally quiet at present with sales spotty for top-dressing. Stocks adequate to meet the current extent of consuming demand at former price levels. According to producers no nearby price change is expected.

Tankage—Sales to the feed trade at former prices were reported. New York named $10 per unit of ammonia and Chicago $10.50.

Phosphates

Phosphate Rock—Mine shipments of steady volume have continued to total a satisfactory seasonal average in most directions. Labor difficulties at an acidulating plant in Texas have caused some deferment of shipments but the movement is satisfactory in other directions. There is no shortage of stocks for either home or export requirements.

Superphosphate—Mixers are said to have their requirements well covered by contracts. Shipments are fair but could be better as there are some indications that acidulators are accumulating stocks. In producing quarters it was stated that certain requirements are in formation for home and export and if these materialize a tonnage of sizable dimensions will be taken out of the market. Prices are firm on the basis of 76c. per unit of a-p-a, Baltimore at 77c. Cartaret, New Jersey.

Potashes

Current shipments are confined entirely to contracts placed earlier in the year. Owing to increased production, absence of labor difficulties and ample transportation facilities, the movement to fertilizer mixers this year has increased over the same period in 1948. Shipments for the first half of 1949 totaled 618,772 tons including muriate, sulphate the manure salts. The total for the same time in 1948 was 571,440 tons.

Under the Netherlands-Spanish trade agreement effective through May, 1950, the Netherlands will export to Spain nitrogenous fertilizers. Spain's exports to the Netherlands will include 23,000 metric tons of potash.

Los Angeles Fertilizer Market

Los Angeles.—The organic fertilizer market remained strong last week with blood and bone meals scarce due to strike at manufacturing plants. Calls last week for inorganic materials, which have been slow moving in the past, indicate a possible upward trend. Prices for the past week remained unchanged.

Ruling prices were:—Ammonia nitrate, $73.57 to $74.43 for Canadian materials f.o.b. this city. Ammonia phosphate, $65.06 per ton for 16/20 grade f.o.b. this city and $39.56 per ton for 11/48 grade f.o.b. this city. Ammonia Sulphate, $55 in bags f.o.b. this city. Canadian materials $56.06 bagged f.o.b. this city. Less $2 in bulk. Blood meal, $8 per unit of ammonia at source. Bone meal, $72.50 for steamed 1/30 f.o.b. Los Angeles. Fish meal, $204-$210 per ton for 60 percent protein Tuna f.o.b. this city; 65 percent California sardine meal nominal at $234 per ton f.o.b. this city. Nitrate of soda, $56 per ton in 100 pound bags f.o.b. Los Angeles Harbor. $51 per ton bulk. Potash muriate, 45½c. per unit bulk f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4 79c. per unit f.o.b. Trona. Superphosphate, $21.20 to $22.04 in bulk f.o.b. Los Angeles area. $2.50 extra for bags. Tankage, dry rendered, ground 50 percent protein $5 to $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

Benzene Hexachloride—Definitely short for immediate shipment with inventories exhausted and demand being fed from production. Inquiry continued active from the cotton states where the boll-weevil infestation has been serious in several sections. Production of BHC had been cut back early in the year because producers held large inventories and few orders. In one producing quarter, it was stated that inventories in the early Spring months looked large enough to last two or three years. The buying movement started in June and has gained momentum with each successive month. South American countries learning of the current shortage have added pressure upon producers by sending in their inquiries. These countries usually place their orders in the Fall months. Prices have continued firm but unchanged and no easement in the supply situation is expected for at least a month.

DDT—Market situation similar to that in BHC in as much that stocks for immediate shipment are decidedly short with demand active both for home and export. This material is used in combination with BHC and sulphur dust and known as 3-5-40 for

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Dried blood, 50c. per unit of ammonia.

Prices Reduced

Castor pomace, $3 per ton.
Fishmeal, menhaden, $5 per ton.
scrap, menhaden, $5 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	76.4

(*For Current Prices see Page 9*)

boll-weevil control. No change in prices has been announced.

Derris Root—In the first quarter of 1949, British Malaya exported 578 hundredweight of derris root, an increase of 90 percent over the amount exported in the preceding quarter but less than 1 percent more than was exported in the first quarter of 1948. The United Kingdom was the principal purchaser; the Netherlands took the remainder. Imports of derris root in the first quarter of 1949 totaled 526 hundredweight, an increase of 350 hundredweight over the amount imported in the fourth quarter of 1948. None was imported in the first quarter of 1948.

Crop estimates are substantially the same as those previously made—that no more than 20 to 50 tons of root will be produced in 1949. Although unsettled conditions may be a factor in the decreased production, it is believed that the principal reason is the small market in Europe and the almost complete lack of demand from the United States.

Household Insecticides — Exports in April amounted to 1,549,000 pounds, compared with 1,053,000 exported in the preceding month, and high for any of the first four months of 1949. Principal countries of destination in April included Colombia, 337,000 pounds; Venezuela, 162,000; Canada, 158,000; Indonesia, 137,000; Cuba, 124,000; Philippines, 111,000, and Hongkong, 106,000 pounds.

Paradichlorobenzene—Moving in rather routine manner during the between season for moth-proofing and agricultural use. Prices have remained unchanged with stocks available for prompt shipment. April exports totaled 129,000 pounds of which 110,000 pounds were shipped to Canada. March exports were 126,000 pounds.

Sulphur

The domestic sulphur industry produced 417,526 long tons of native sulphur during the month of May, according to reports of producers to the Bureau of Mines. This tonnage is the third largest monthly production on record and brings the total for the first five months of 1949 to nearly 2,000,000 long tons. Production in April was 396,447 long tons and in May, 1948, output registered 409,530 long tons.

Phosphate Rock Output Hits New High in 1948

A new high record was made in the mine production of phosphate rock in the United States during 1948, according to the Bureau of Mines. Production reached a total of 9,388,160 long tons, more than 250,000 tons above the 1947 record high. Of the total, 7,184,297 tons were mined in Florida, over 800,000 tons greater than in 1947; 1,499,547 tons in Tennessee, only slightly more than in 1947, and only 704,316 tons in the western states, about 500,000 tons less than in the previous year.

Sales decreased sharply from 9,027,030 tons in 1947 to 8,668,769 in 1948, an increase in Florida failing to counterbalance the large decrease in the western states. The total value of phosphate rock sold or used rose to $50,501,598 in 1948, nearly $4,000,000 above the 1947 total. The P_2O_5 content of the domestic phosphate rock sold or used in 1948 declined from the record high of 2,903,082 tons in 1947 to 2,810,206 tons in 1948.

Imports increased in both quantity and value during 1948 but exports were less than in the previous year. Apparent domestic consumption increased to 7,700,081 tons in 1948 and stock at the end of the year rose sharply to 1,819,000 tons. Salient statistics of the industry during 1948, are as follows in long tons:—

	1948	
	Rock	P_2O_5 Content
Production (mined)	9,388,160	3,035,108
Sold or used by producers:		
Florida:		
Land pebble	6,421,725	2,155,037
Soft rock	69,335	13,992
Hard rock	48,198	17,404
Total Florida	6,539,258	2,186,433
Tennessee[2]	1,307,507	369,612
Idaho[4]	434,375	131,284
Montana	248,683	78,421
Wyoming	138,946	44,456
Total United States	8,668,769	2,810,206
Imports	48,104	(1)
Exports[5]	1,016,792	(1)
Apparent consumption[6]	7,700,081	(1)
Stocks in producers' hands, Dec. 31:		
Florida	1,145,000	376,000
Tennessee[3,7]	582,000	159,000
Western States	92,000	28,000
Total stocks	1,819,000	563,000

[1] Data not available.
[2] Includes sintered matrix.
[3] Includes small quantity from Virginia.
[4] Includes Utah.
[5] Exports as reported by producers.
[6] Quantity sold or used by producers plus.
[7] Includes brown-rock matrix of sinter-grade, sintered brown rock, blue rock, and some matrix of washer-grade.

Fulton Bag Advances Williams

Fulton Bag & Cotton Mills, Atlanta, Ga., has appointed George W. Williams manager of its Dallas, Tex., plant, to succeed the late Adolph Mayer. Mr. Williams has been associated with the company for many years and was formerly sales manager at Dallas.

Trade Briefs

Superphosphate production is expected to be quadrupled during the course of the five year plan in Hungary.

Fertilizer production in Hungary during 1949 has been estimated at 138,000 metric tons, compared with the 90,000 tons produced in 1948.

Tankage exports from Argentina during January of this year totaled 3,488 metric tons and dried blood exports totaled 846 tons in the same month.

Nitrogenous and phosphatic fertilizers output in Czechoslovakia during the first quarter of 1949 exceeded target goals by 7.5 percent and 10 percent, respectively.

General Electric Company has installed special drive and control equipment at the Carlsbad, N. M., mine of the Potash Company of America which enables the mine hoist to raise and dump eight tons of potash ore per minute.

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Coaltar Chemicals

Pricewise, the market for coaltar materials was without particular change during the past week. The weekly index held at 110.4.

Some sources reported that they had noticed a better tone to general business conditions recently, although there were others who were not so sure and preferred to wait a while yet before venturing an opinion. Summer vacation shutdowns in a number of plants had had their effect on business and it was expected that after the vacation season there would be some pickup.

One quarter reported that recently phthalic anhydride had been doing a little better, although another could see no particular improvement. The market for creosote was also said to be showing a somewhat better tone. Here and there it was reported that demand seemed to be showing signs of picking up. Supplies in general were at good levels, although toluol and xylol were reportedly none too free.

The American Iron and Steel Institute reported that companies having 94 percent of the producing capacity of the industry were scheduled to run at 82.3 percent during the week. This was equivalent to 1,517,200 tons of steel ingots and castings as compared to 1,498,800 during the previous week, 1,710,500 tons one year ago and 1,281,210 tons for the average week in 1940, the highest prewar year.

Basic Products

Benzol—Pricewise, there were no changes reported in the market for this material during the past week and there were no indications of any changes coming immediately. It was reported that the demand for the material was at reasonably good levels at this time and was in about a balanced position with the supply.

Production of motor grade benzol amounted to 2,633,297 gallons in June of this year as compared to an output of 2,613,392 gallons in May. This represented a gain of 8 percent. The production of June a year ago was reported to be only 709,500 gallons. This year's production through June totaled 10,283,569 gallons as compared to 4,760,100 gallons for the comparable period a year ago. Output of the nitration (1°) material in June of this year was 2,239,787 gallons, or a gain of 7.1 percent over the output of May which amounted to 2,091,328 gallons. June's production last year, however, totaled 3,566,700 gallons. Through the first six months of this year, the production of the material totaled 15,382,029 gallons, while for the comparable period a year ago it was 21,598,500 gallons. Industrial pure (2°) this year was produced in the amount of 7,434,171 gallons in June, as compared to 8,991,275 gallons in May. This represented a decrease of 17.3 percent. During June a year ago the output was 8,143,900 gallons. Total production for the first six months of this year was 56,219,652 gallons as against 50,171,400 gallons for the corresponding period a year ago. All other grades showed an output of 114,102 gallons in June, or a decrease of 17.3 percent from May's total of 137,485 gallons. In June last year the production totaled 251,900 gallons. Through June of 1949 the total production was 1,186,371 gallons, while during the comparable period a year ago it was 1,636,700 gallons.

Coaltar—Steel industry operations last week showed a slight gain and that helped the feeling in the market for this material. A few weeks back, when steel dipped sharply, there were some fears that this condition would be reflected in the available supply of raw coaltar. Demand, however, was not and still is not at peak levels, so the industry was still comfortably provided to satisfy normal ordering. Prices during the week were holding at their previously noted levels and there were no indications that there would be any immediate changes.

Production of crude coal tar in June of this year was reported to be 60,731,483 gallons, while during the previous month it was 65,106,786 gallons. This was a decrease of 6.7 percent. The production of the material in June of last year was 62,145,300 gallons. The output for the first six months of this year was 382,907,593 gallons, as compared to 358,424,800 gallons during the comparable period a year ago.

Creosote—Prices on this material, as recently adjusted were reported to be unchanged during the past week and there were no revisions foreseen for the immediate future. Demand for this material was still running along at about the same levels. There had recently been a better tone noted in the market, although sales were still not up by any great amount and were not sufficient to take all of the material off the market. Supplies were strong because domestic production was good and added to that was the steady arrival of the material from foreign sources.

Creosote was produced in the amount of 2,164,523 gallons in June, while the figures for the previous month indicate that the output was 2,249,991 gallons. This showed that June's output was 3.8 percent below that of the previous month. In June a year ago the output was 3,218,600 gallons. The production of the material for the first six months of this year was 12,814,074 gallons, while during the comparable period a year ago it was 19,419,000.

Cresol—The supply and demand of this material during the past week were largely unchanged from their position in recent weeks. Prices were still holding at their recently re-established levels and there were no indications that there would be any further revisions immediately. Imported material was still on the market and prices of it varied considerably. This was one of the main reasons for the recently noted reductions in price.

Cresylic Acid—The market for petroleum and coaltar material last week showed no price changes. Supply and demand were reported to be at about the same levels that were noted in recent weeks. There was still imported material on the market that was being offered at varying prices.

Output of refined cresylic acid was at its highest point for the first five months of this year during the month of March when 2,493,121 pounds were produced. The lowest output was reported in February, for during that period the production amounted to 1,650,716 pounds. Output for the other months was:—January, 2,302,157; April, 2,189,809; May, 1,749,049.

Naphthalene—Market conditions for this material were largely unchanged during the past week. There were no price changes reported and none anticipated for the immediate future. Both the crude and refined material were reported to be in a good supply position. Some sources felt that sale of the crude might increase this fall if there was a sufficient pickup in the textile industry. Refined material was reported to be moving at a fairly slow rate although it had been noted that sales ranged over a wider than usual period.

Crude naphthalene, solidifying at less than 70° C., was produced in the amount of 879,145 pounds during June. This was 7.3 percent below the 948,089 figure for the preceding month. Output during the first six months of this year was below that for the corresponding production a year ago. Last year's output through June was 7,405,200 while this year's was 7,170,140 pounds. Output of the material solidifying at 70° and less than 79° C. was 4,338,526 pounds in June, as compared to 5,942,877 pounds in May. This represented a decrease of 27 percent. Output in June a year ago was 7,057,600 pounds. Through the end of June of this year the output of the material was 38,673,275 pounds, as compared to 43,230,300 pounds for the comparable period last year.

Phenol—No changes were reported in the price of this material during the past week and there were no indications that

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
110.4	110.4	110.4	154.6

(*For Current Prices see Page 9*)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended July 23 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lb.	1,000,179
Ammonia sulphate	lbs.	25,899,396
Benzol	gals.	3,263,745
Coaltar	gals.	12,107,441
Creosote oil	gals.	673,805
Naphthalene, crude	lbs.	1,600,387
Phenol	lbs.	189,507
Toluol	gals.	652,748
Xylol	gals.	147,394

For Late Market Developments, See Page 4

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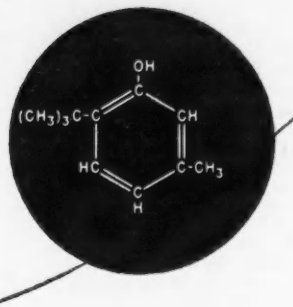

POTENT GERMICIDE

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This versatile synthetic organic chemical closely resembles thymol in structure, with the isopropyl group of thymol replaced by the tert-butyl group of MBMC. It will undergo most of the reactions typical of the lower alkylated phenols. As an intermediate, Koppers MBMC is useful in the production of rubber antioxidants and rubber processing chemicals, lubricating oil additives, synthetic resins and for the manufacture of the perfume fixative musk ambrette.

Physical Properties of the Pure Compound

Freezing Point	23.5°C.
Boiling Point, 760 mm	244°C.
Specific Gravity, 80°C	0.922
Hydroxyl Number (theory)	342

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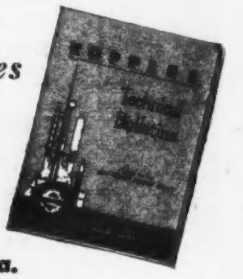
Write for this bulletin and samples

Bulletin C-9-130 and experimental samples of Koppers MBMC may be obtained by writing to Koppers Company, Inc. Chemical Division, Dept. OP-8-15, Pittsburgh 19, Pa.



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there were any changes being planned for the immediate future. The demand was still a bit slow but the stocks of the item were sufficient to accommodate the market. The industry's hope was that there would be a pickup in the resin, plastics and adhesives markets, which would in all probability bring with it an increase in the demand for phenol.

Production of phenol, technical and USP, was lower during the month of May than at any time during the first five months of the year. During that period the output amounted to 16,965,966 pounds. The highest production was recorded in January, when output was reported to be 26,767,011 pounds. The production of the material during the other months was:—February, 21,239,924; March, 21,735,279; April, 22,182,077 pounds.

Pyridin — Pharmaceutical material was still in a tight position as to supply while the demand for it continued at strong levels. The denaturing grade was not in so strong a demand position but the stocks of it were at better levels. Pricewise, there were no changes reported during the week.

Pyridin, crude bases, showed an output of 33,947 gallons in June, which was 6.6 percent less than the 36,342 gallons output of the previous month. A year ago during June the output of the material was reported to be 34,800 gallons. Through the first six months of this year the production of the material was 227,073 gallons, while for the corresponding period a year ago it was 199,200 gallons. Output of the refined (2°) material in June of this year was 83,752 pounds. In the previous month it was 107,110 pounds. June's output showed a drop of 21.8 percent. The production of the material in June a year ago was 106,200 pounds. The total production for the first six months of this year was 585,438 pounds, while for the corresponding period a year ago it was reported to be 521,600 pounds.

Solvent Naphtha — Prices of this material were reported to be unchanged during the past week and there were no indications from producers that they were planning any additional changes. There was reportedly a reasonably balanced relationship between the supply and demand of the material.

Solvent naphtha production figures show that output of the crude heavy solvent amounted to 384,811 gallons in June as compared to 406,850 in May. This represented a decrease of 5.4 percent. In June a year ago the output of the material was reported to be 422,600 gallons. The total output of the material through the first six months of this year was 2,278,228 gallons as compared to 2,455,300 gallons a year ago. The refined light solvent showed a production gain in June when it reached a total of 30,193 gallons, as compared to 27,405 gallons for May. This was an increase of 10.2 percent. The output of the material in June a year ago was 53,300 gallons. For the first six months of this year the output of the material was 198,435 gallons, while during the comparable period a year ago it was 309,900 gallons.

Toluol—This material was in a tighter position than it had been and it was reported that some suppliers were shipping out of production. Here and there, it was said, customers were obliged to wait for shipments. Demand was called good. Prices remained unchanged and gave no indications of undergoing any revisions in the immediate future.

Production of nitration (1°) toluol in June totaled 1,704,032 gallons, as opposed to 1,822,359 gallons a year ago. This represented a decrease of 6.5 percent. In June last year the production of the material was 2,035,800 gallons. Through June of this year the production totaled 11,115,713 gallons, while for the corresponding period a year ago it was 11,300,300. The industrial pure (2°) material in June was produced in the amount of 468,391 gallons. This compared to 598,401 gallons in the previous month and represented a decrease of 21.7 percent. June's output last year was 396,100 gallons. Through June of this year the production of the material was 3,411,215 gallons, while for the corresponding period a year ago it was 2,440,400 gallons. All other grades were produced in the amount of 53,968 gallons in June of this year. As compared to May, this represented a decrease of 29.8 percent, for in May the output totaled 76,911 gallons. In June last year, however, the output of the material was 19,400 gallons. The first six months' production this year showed a considerable gain over the comparable period a year ago. In 1949 the production total was 325,069 gallons, as compared to 150,200 for the first six months of 1948.

Xylol—Supplies of this material continued on the tight side, although that was not an unusual condition in the market for this item. Demand was better than it

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had been. Prices were holding and it was said that they were expected to hold for at least the immediate future.

Production of all grades of xylol in June amounted to 625,681 gallons, as compared to 711,559 gallons in May. This represented a decrease of 12.1 percent. In June last year the production figure was 597,000 gallons. Through the first six months of this year the production of the material amounted to 3,939,545 gallons, as compared to 3,592,500 gallons for the corresponding period a year ago.

Intermediates

Anilin Oil—Listings on this material were holding to their recently re-established levels during tthe past week. Supplies were good but there had been some slight weakening in the demand recently. One quarter attributed this largely to the vacation shutdowns in industry.

Anilin Salt—No changes were reported in the price of this material during the past week and the supply was said to be about what it had been recently with the demand also about the same.

Phthalic Anhydride — Pricewise, this material was holding to former levels during the week and there were no changes in price anticipated for the immediate future. Some sources said that in recent weeks there was a better tone to the market, while others were of the opinion that conditions were still about the same. Supplies were adequate but demand not strong enough to take all of them off the market.

Production of phthalic anhydride in May was at the lowest point for any of the first five months of the year. During that period the output of the material was recorded at 9,507,421 pounds. The highest output was recorded in January at 16,294,597 pounds. Production for the other months during the five-month period was: — February, 12,814,553; March, 12,470,483 and April, 10,192,219 pounds.

AATCC Sets Program

—Continued from page 7

ris, Harris Research Laboratory, presiding. The following papers will be presented:—"Use of Tristimulus Values in Specifications of Small Color Differences," by Dr. I. H. Godlove and H. R. Davidson, General Aniline & Film Corporation; "Evaluation of Wetting Agents. a. Tape Wetting Tests. b. Theory and Interpretation of Wetting Tests," by L. S. M. Shapiro, Synthron, Inc.; "Textile Detergency Research at the Institute of Textile Technology," by Dr. W. P. Untermohlen, Jr., Institute of Textile Technology; "Static Problems in Textile Processing," by D. H. Lehmicke, E. I. du Pont de Nemours & Co., and "Modification of Fiber and Fabric Properties by Wrinkleproofing and Stabilizing Agents," by A. C. Nuessle and D. D. Gagliardi, Rohm & Haas Company.

The afternoon will be devoted to the intersectional prize paper contest.

October 15

In the morning there will be a cellulosic group meeting, with Dr. Arnold L. Lippert, Joseph Bancroft & Sons Company, presiding. The following papers will be presented: "Bleaching of Cotton—A Proposed Continued Hypochlorite Bleach Process," by L. P. Seyb and J. L. Foster, Diamond Alkali Company; "Important Factors in Cotton Dyeing," by O. W. Clark and Dr. H. R. McCleary, Calco Chemical Division; "Ageing Troubles and Control," by P. J. Choquetee, General Dyestuff Corporation, and "Investigation of the Anticrease Treatment of Cotton," by Dr. R. F. Nickerson, Monsanto Chemical Company.

There will also be a meeting of the hosiery group, presided over by Virgil T. Hartquist, Jefferies Dyeing Works. Speakers will be:—H. L. de Turck, Berkshire Knitting Mills, "A Survey of Recent Developments in Wet Processing of Full Fashioned Hosiery"; D. H. Heckert, E. I. du Pont de Nemours & Co., "Nylon Staple," and P. A. Alexander, Woolsey, Ltd., "Chemical Reactivity of Wool in Relation to Antishrink Process."

At the annual banquet in the evening, James Dixon, Calco Chemical Division, will be toastmaster. The intersectional contest awards will be presented and there will be addresses by the president and by a speaker to be announced.

Trade Briefs

Hilton-Davis Chemical Company, Cincinnati, Ohio, is currently enlarging the dyestuffs application laboratory at its Cincinnati headquarters.

American Cotton Manufacturers Institute will be formed by the Cotton Textile Institute and the American Cotton Manufacturers Association.

Rubber exports from Indochina during the first five months of this year totaled 18,693 metric tons, compared with 14,046 tons in the corresponding period of 1948.

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Textile and Leather Chemicals

Consuming inquiry was more active for sizing materials and good volume of business was reported since the first of the month. Chemicals continued in limited demand, chiefly for immediate delivery, while tanning materials commanded little attention. Egg albumen was easier and edible declined 3 cents and technical 2 cents per pound, while yolk was scarcer and boosted 6 cents per pound. High grade tapioca flour was off one quarter cent. Price index advanced to 314.0, compared with 311.1, a week ago and 382.2 a year ago.

Demand for potato starch was fairly active for delivery during the next thirty days. Grinders were not offering and held moderate stocks with expectations of higher prices before production starts in October. Inquiry for sago flour was improved and higher cost for shipment created a firmer tone locally. Increased supply of high grade tapioca starch and quiet demand resulted in a decline of one quarter cent per pound for this grade, while other grades were unchanged. Low grade was still tight and in active request and remained steady. Corn dextrin and starch were reported moving in good volume for prompt requirements.

The cotton crop for 1949 as of August 1 was forecast by the government at 14,865,000 bales, compared with 1948 final production of 14,868,000 bales. The crop is somewhat below expectations in view of 14 percent increase in the average acreage this year. The 1938-47 average production is 11,306,000 bales. With a crop of 14,000,000 bales this year and a carry over of 5,000,000 to 6,000,000 bales, there is a strong possibility of quotas on the cotton crop for 1950, according to a government official.

The quantity of wool shorn and to be shorn in 1949 is estimated at 215,635,000 pounds, by the Bureau of Agricultural Economics. This is 18,000,000 pounds, or 8 percent, less than shorn-wool production in 1948, and 127,000,000 pound, 37 percent below the 1938-47 average. Wool production from the 1948 clip is the smallest on record. The reduction this year was largely the result of a decrease in the number of sheep shorn, since the average weight per fleece was only slightly smaller than last year. The number of sheep shorn or to be shorn this year is 26,941,000 down about 2,000,000 head, 7 percent from last year and about 16,000,000 head, 37 percent below the 10-year average. The estimated weight per fleece is 8 pounds, compared with 8.05 pounds in 1948 and the 10-year average of 7.99 pounds. In the "native" or "fleece" wool States, shorn-wool production is estimated at 56,658,000 pounds from 7,710,000 sheep, with an average fleece weight of 7.35 pounds. Last year 8,412,000 sheep were shorn for a total of 61,117,000 pounds, and the average weight was 7.27 pounds.

Chemicals

Acetic Anhydride — Moderate quantities were reported moving against current contracts. New business was slow. Prices were unchanged.

Bichromates—Consumers continued to operate in a hand to mouth manner. Delivery against former orders were in fair request, while new business was inactive. Demand for export was light and spasmodic. Quotations were without change.

Sodium Acetate—Outside of a fair request for small lots for immediate needs, this market was dull and featureless. Makers maintained current quotations.

Sodium Hydrosulphite—Business was inactive. Withdrawals against former orders was light and spotty. Quotations were unchanged and steady.

Sulphonated Oils—Demand was confined to small lots for immediate delivery. Prices of sulphonated castor oil and tallow were well held.

Sizing Materials

Blood Albumin — Small lot buying chiefly for immediate delivery was noted for albumin and dried soluble blood. Supplies were adequate to meet demand. Prices were without change.

Corn Dextrin—Steady demand was reported, chiefly for prompt delivery. All grades were well held at current levels. Prices were guaranteed against decline until August 15.

Corn Starch—Demand was fairly active for immediate requirements. Quotations were steady and guaranteed against decline to August 15. Visible corn supply declined 656,000 bushels to 4,403,000 bushels for the week ended August 6, compared with 7,321,000 bushels for the corresponding week last year.

Egg Albumen—This market continued easy and under keen competition. Quotations were reduced 3c. per pound. Trading was light and spotty. Edible flake was sold at $2.15 per pound for moderate quantities and ranged to $2.20 per pound, according to quantity and seller. Technical also was easier and cut to $1.08 per pound and quoted up to $1.15, depending upon quantity. Egg support prices will continue during the month of September at an average price of 35c. per dozen shell eggs in the midwest, the same price that prevailed January-August. Venders who sell dried eggs to the Department of Agriculture under the current support program, must certify having paid producers this price for shell eggs. Offerings of dried egg for September delivery began Tuesday, August 9.

Egg Yolk—Supplies of yolk on spot were scarce and holders of small stocks raised prices to $1.28 to $1.30 per pound and limited sales only to regular customers. Inquiry for replacements was fairly active. Bulk of recent imports of Chinese yolk was sold before arrival. Small quantities for spot delivery were quoted at $1.10 to $1.15 per pound.

Potato Starch—Consuming interest was more active last week and sales of moderate quantities were reported for prompt delivery. Market remained steady. Producers in Maine were holding limited stocks for higher prices. Carlots were unchanged and resellers quoted at 5.95c. per pound, New York delivery and lesser lots at 7c. to 7¼c., exwarehouse, as to quantity. Idaho producers were out of the market until the end of September.

Sago Flour—Primary market was firmer and gave the local situation a steadier tone. Trading was reported fair. Prices were unchanged and well held. Supplies on the spot were not heavy and quoted at 6.35c. to 6.60c. per pound, exwarehouse, as to quantity. Shipments ranged from 5.75c. to 6c. per pound, exdock, as to delivery.

Tapioca Starch—A good demand was reported for low and medium grades, while there was little interest in the high grade. Prices were easier for high grade and were reduced to 9½c. to 9¾c. per pound, exwarehouse, according to quantity. Medium was unchanged and steady at 8½c. to 9c. and low at 7c., same basis.

Tanning Materials

Chestnut Extract—Business was slow. Supplies were liberal. Quotations were unchanged and more or less nominal.

Cutch—Scarcity of material at primary centers continued to keep this material firm. Tanners were in the market for replacements. Prices were unchanged and steady. Arrivals totaled 1,000 bags at New York last week.

Divi Divi—Consuming inquiry continued inactive. Offers for shipment were available at current quotations.

Mangrove Bark—Trading was reported quiet. Offers of bark from South America were still light, and unavailable from Africa. South American bark was quoted at $65 to $65 per ton, exdock as to tannin content.

Myrobalans—While trading was slow, the primary market remained steady. Shipments were unchanged and maintained at current levels.

Quebracho Extract—Arrival of extract were light last week totaling 2,106 bags at New York for delivery against former orders. Consuming inquiry for replacements was reported inactive. Prices for shipment were unchanged.

Wattle—Conditions in this market were steady and without change. Offers were not heavy and maintained at former levels. Demand of late has been restricted to prompt shipment. Imports of bark were reported at 3,882 bales and 580 bags of extract at New York last week.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Egg yolk, 6c. per lb.

Prices Reduced

Egg albumen, edible, 3c. per lb.
tech., 2c. per lb.
Potato starch, high grade, ¼c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
314.0	311.1	317.4	382.2

(For Current Prices see Page 9)

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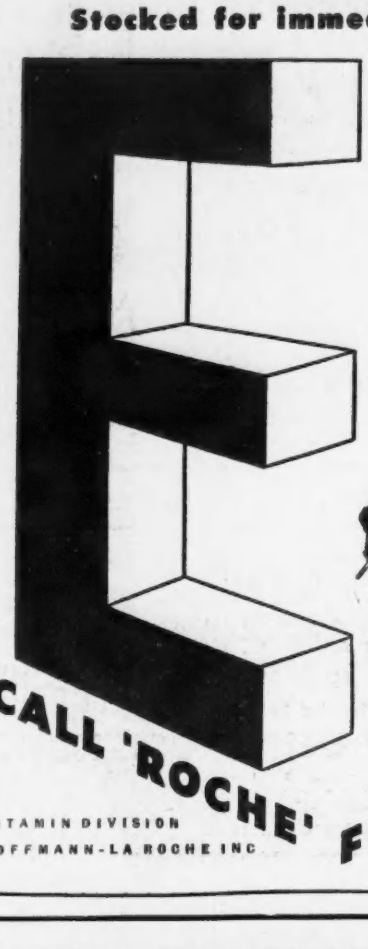

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Drugs and Fine Chemicals

While skimmed milk powder was a bit stronger and ¼ cent per pound higher, other items in this market were on the decline. Fishliver oils, despite the strengthening demand for feed grades, decline in price under competitive pressure from lower quotations on concentrates. Menthol dropped by 20 cents per pound on the spot market over the last few days. Furthermore, synthetic ethyl-ether, reflecting recent declines in solvents, was reduced 1½ cents per pound. Hexyleneglycol was reduced 2½ cents per pound. Cinchophen and its sodium salt decline 50 cents per pound after a similar decline July 1. Para-aminosalicylic acid dropped sharply by $2.15 per pound. The index dropped 0.6 point, becoming 259.6.

There was virtually no trading in menthol. Stocks and consumers inventories of lower cost material in this country were heavy, while spot prices were tied to replacement costs, which are currently high. Accordingly, the slight weakening last week in spot quotations did not stimulate significant trading. The feeling was expressed that prices would have to decline very appreciably before much business could be done in this item.

Fishing effort up and down the West coast was reportedly discouraged by the low price of new sharklivers. Trading was slow in vitamin oils generally. Domestic crotonic acid was firm in price. Triacetin moved in steady volume at recently established lower quotations.

Following the sharp decline in caffeine alkaloid the previous week, caffeine derivatives, with the exception of the low-demand hydrobromide, were adjusted downward. Chemical solvents of all types were firm, and the bulk penicillin market settled down at the new lower levels established the previous week.

Acid, Crotonic—The domestic material in fiber drums was priced at 29 cents per pound and was generally sold in small less than carlot shipments. Prices were firm and no immediate change was expected. Supplies were described as adequate.

Acid, Para-aminosalicylic — A sharp price decline took place in this market effective August 8 in which this material dropped $2.15 per pound in quantities of 1,000 pounds or more, bringing quotations in this quantity bracket to $11.85. Smaller lots varied as to quantity from $11.90 per pound in 500-pound lots up to $13 for one-pound quantities. This price reduction follows a previous one made July 1.

Acetaldehyde—Prices in tankcars last week ranged from 9½ to 10½ cents per pound in tankcars. Supplies were quite ample to meet consuming demand, and no back orders were reported. Stocks, however, were not generally regarded as unusually heavy.

Acetanilide—Demand for the technical grade as a chemical intermediate was reported as moderately good. Supplies were abundant. Prices were firm in the range of 22 to 23½ cents per pound in carlots, with the greater volume of business being done at the lower figure.

The USP grade of material was firm at 50 cents per pound for ton lots. Demand for this grade continued to be spotty and generally slow. Production for the month of May was reported by the Tariff Commission as 521,107 pounds for the combined total output of both technical and USP material. April output stood at 729,711 pounds.

Acetone—The price position of this solvent remained firm, while the tone of the market was generally quiet and prompt shipment could readily be made from ample stocks. Production in May reported by the Tariff Commission was 33,410,177 pounds, compared with 33,683,324 pounds produced in April. The overall view of the market was expressed in most quarters as one in which a definite increase in demand was expected in the early Fall weeks, leading to a sustained better business during the fourth quarter. If this does not happen by late September or early October, however, it was not likely to develop at all, according to most observers.

Acid, Acetylsalicylic—Supplies of this material were abundant and against which there was reported a steady moderate demand. Prices were unchanged from levels prevailing over recent months. The Tariff Commission reported May production at 939,913 pounds, compared with an April output of 803,773 pounds. The market was expected to remain at its current levels until early Fall at which time demand was expected to strengthen.

Amyl Acetates—Prices held firmly to the recently established lower levels, and no further change was expected in the immediate future. Reports of the Tariff Commission indicate the combined output of the 90 percent grade of normal and iso amyl acetates in May was 667,131 pounds, compared with the April revised production figure of 356,824 pounds.

Butyl Alcohol—The supply position of this solvent was abundant and there was some indications of strengthening demand to be found in the market last week, according to some sources, while other quarters reported no observable change but looked for greater call in early September. Prices were firm at the new lower levels established last month. Production of normal butyl alcohol in May was reported by the Tariff Commission as 9,846,981 pounds, a volume significantly larger than the 8,607,646 pounds produced in April.

Caffeine Materials—Following the sharp decline in alkaloid prices the previous week, lower prices last week were established on most of the derivatives which had not already moved. Caffeine sodium benzoate was reduced to $3.85 per pound and caffeine sodium salicylate declined to $3.75 per pound, both quotations being for 100 pound lots. As reported the previous week, the price of citrated caffeine was established at $2.60 per pound in 100 pound lots. Prices on caffeine hydrobromide and not as yet been revised, primarily because it moves in small volume and is no longer in substantial demand.

Castor Oil—Prices on castor oil were unchanged. There was little Brazilian market trading with dealers in this country, and beans remained nominal at $103 per long ton.

Arrivals of castor beans last week totaled 37,013 bags, equivalent to 5,551,950 pounds, compared with 6,754 bags or 1,013,100 pounds the previous week, and 36,056 bags or 5,408,400 pounds during the corresponding week of last year.

Total arrivals of beans since January 1 of this year amounted to 1,052,121 bags equivalent to 157,818,150 pounds, compared with 816,924 bags or 122,638,600 pounds during the corresponding period of last year.

Cinchophen—Both the standard density and the heavy density material declined 50c. per pound August 8, following a similar decline effected July 1. Sodium cinchophen also dropped 50c. per pound July 1 and again on August 8.

Ethyl Acetate—This solvent, the 85 percent grade of which was delivered in tankcars nationwide at 9 cents per pound, was in moderately good demand. The other grades were quoted on a delivered basis at 9¼ and 9½ cents in tankcars for the 95 percent and 99 percent material respectively. Production figures on the 85 percent grade released by the Tariff Commission showed May output at 5,368,293 pounds, compared with the revised April figures of 6,416,040 pounds. Prices at the new lower levels recently established were expected to hold.

Ethyl Ether—Synthetic material used industrially was currently quoted on a delivered basis in the East at 8½ cents per pound in tankcars, 10½ cents in drum carlots and 12½ cents in less than carlot drum quantities. Prices in the West were 1 cent per pound higher. Supplies were reported as adequate.

The combined output of technical and USP ether was reported by the Tariff Commission as 2,546,172 pounds, compared with April production of 2,886,238 pounds.

Ethyleneglycol—This item was one of the few organic chemicals which was still in a relatively short supply position. Demand for industrial use was off somewhat,

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Milk powder, skimmed, ¼c. per lb.

Prices Reduced

Acid, para-aminosalicylic, $2.15 per lb.
Cinchophen, 50c. per lb.
Cinchophen-sodium, 50c. per lb.
Ether, ethyl, synthetic, 1½c. per lb.
Fishliver oil, feed grades, 2c. per 1,000,000 units.
pharmaceutical, 200,000 unit oil, 5c. per 1,000,000 units.
Fishliver concentrates, 2c. to 5c. per 1,000,000 units.
Hexyleneglycol, 2½c. per lb.
Menthol, 20c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
259.6	260.2	262.0	259.8

(*For Current Prices see Page 9*)

but this was more than offset by the demand for the canning of permanent type antifreeze.

While it was generally conceded that the forthcoming season for volatile type antifreezes looked quite bleak by virtue of the heavy inventories in dealers hands, there was much less of a feeling as to what the permanent antifreeze market might be during the next season. In the absence of more specific information, the consensus seemed to be that this market was less saturated and therefore would enjoy a moderately good season. The growth and demand for ethyleneglycol antifreeze over recent years has been marked, and some quarters were beginning to wonder if this trend would continue, or if it might recede because of car owners having less money to spend this year, and hence tend to try to get along on the lower cost less permanent antifreeze materials.

Meanwhile producers continued to operate at virtually near peak levels of production. The Tariff Commission reported May output at 36,679,833 pounds, compared with 36,089,336 pounds in April.

Fishliver Oils — This market declined pricewise under the competitive influence of lower fishliver concentrate prices, although there was a definite firming trend in the market from the standpoint of demand particularly in the low potency feeding grades. Meanwhile, it was reported that the low price of sharklivers has discouraged fishing efforts up and down the West coast. Imports of fishliver oils at Eastern ports last week amounted to 17 drums of sharkliver oil and 47 drums of fishliver oil, the latter from Yokohama.

Accordingly, the new lower price pattern prevailing in this market quoted the low potency feed or concentrating grades ranging from 6,000 to 12,000 vitamin A units per gram, at 17c. to 18c. per million units, and the various oils ranging from 20,000 to 80,000 units per gram which are used in feed or which must be further concentrated for other uses ranged in price varying as to potency from 20c. to 28c. per million units.

The 50,000 to 125,000 unit oils for pharmaceutical use were quoted at 30c. to 32c. per million units, while the 200,000 unit oil was listed at 35c. per million units.

The fishliver concentrates were currently quoted at 32c. per million units for the 100,000 unit material, and other concentrates were listed at 35c. for the 200,000 unit grade; 39c. for the 300,000 unit grade, 42c. for the 400,000 unit grade, and 45c. for the 500,000 unit grade.

Formaldehyde—This market maintained a steady position, with demand still running at a relatively low level, but expected to show improvement in September. Supplies were abundant and only a part of the present manufacturing equipment was in continuous use. Prices were unchanged from levels prevailing during the year, and the market was not expected to show any price revisions in the immediate future. On a 37 percent weight basis, production in May was reported by the Tariff Commission as 38,519,779 pounds, compared with 36,619,300 pounds in April.

Glycerin—The refined glycerin supply situation was reported as adequate, with no consumer in distress for refined grades, although there was no overage of supply. The closing of some refineries for vacation during July was being reflected in the August supply picture, but the situation was currently only temporarily somewhat more tight than in July.

Crude gylcerin was locally sold at 17c. per pound for soaplye material which was equivalent to 18¾c. for saponification. The small soapers and fat splitters were reportedly inclined to take advantage of the present situation pricewise. However, the crude market was due for a decline in the not too distant future. Refiners selling material at the current market price for the various grades were said to be able to just about break even at 16½c. crude soaplye, and to operate at a loss on 17c. crude. Meanwhile, 1,000 tons of sponification crude was bought from Russia for August-October delivery, and there was at least another 1,000 tons arriving from various other foreign sources. This situation, it was felt, would tend to bring domestic crude prices down to a level where refiners could buy it and operate under a normal profit. In proper relation to refined glycerin prices, soaplye 80 percent crude should be priced at 15¼c. per pound, and saponification 88 percent crude glycerin at 16¾c. according to past industry practice.

Hexyleneglycol—The price of this material was reduced 2½c. per pound late last week. The new price schedule quoted this methylpentanediol on a delivered basis at 12½c. per pound in tankcars, 14c. in drum carlots, and 14½c. in less than carlot drum quantities.

Menthol—Prices on natural menthol de-

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clined a total of 20c. per pound over the last few days, to a level of $10.90 per pound. From the point of view of current replacement costs, the recent price levels are not too high, but from the point of view of the heavy inventories generally prevalent in this country the price was looked upon in some quarters as too high. Most of the large inventories currently on hand were bought at levels very considerably below present spot prices, and it would seem that under these circumstances trading at lower levels might be in order. However, the current high market prices remained tied to replacement costs, with the result that there was virtually no trading. Some 45 cases arrived from China last week.

Methanol — The demand for synthetic methanol continued generally slow, compared to a year ago. The antifreeze canning season was calling for substantial quantities, but the antifreeze market looked rather bleak in view of the heavy inventory left in dealers hands as a result of the unusually mild Winter last year. A significantly greater demand was expected to develop in the market early this Fall as a result of greater need for formaldehyde in making plastic molding compound resins. Prices were unchanged.

The Tariff Commission reported production of synthetic methanol in May as 58,857,386 pounds, compared with the revised production figure for April at 75,811,696 pounds, and March output at 93,210,213 pounds. May production of natural methanol was reported by the Bureau of Census as 233,000 gallons, compared with an April output of 166,000 gallons, and 203,000 gallons in May of last year.

Milk Powder — Prices were somewhat higher last week as the tone of the market strengthened slightly. Demand was said to be good, stocks were somewhat lighter, and material moved steadily. CCC purchased at parity prices 1,117,373¾ pounds of spray process skimmed milk powder, and 2,582,741 pounds of roller process material. Quotations on skimmed milk powder ranged from 12¾c. to 13¾c. per pound, for the spray process material while roller process skimmed milk powder was quoted at 10¾c. to 12¾c.

Whole milk powder of the roller process type was in limited sale at 28c. to 33c. per pound. The spray process whole powder of the 26 percent grade was quoted at 29½c. to 34½c. per pound, while the 28 percent grade ranged from 30c. to 35¼c.

Milk Sugar—Production of milk sugar for the first half of this year amounted to 9,825,000 pounds of crude, off 11 percent from last year; 1,987,000 pounds of technical grade, up 7 percent over last year; and 5,070,000 pounds of USP material, off 9 percent from the corresponding period of last year.

Penicillin—Prices on this item in so far as the bulk quantity shipments were concerned had apparently settled down at the new lower listings established the previous week. It was generally felt that these prices would hold for the months immediately following, despite minor fluctuations in the softer and more unsettled package distributive channels.

Production of the various penicillin salts in May amounted to 11,846,327 million Oxford units, compared with 11,364,759 million Oxford units in April.

Phenobarbital—This item continued to move steadily at a relatively low volume of trading. Prices were firm and unchanged from levels prevailing over recent months, with no prospect of any price revisions in the immediate future. May production of ethylphenylbarbituric acid and its salts was reported as 22,960 pounds, compared with 25,591 pounds in April.

Silver Nitrate—This market has remained firm in price and relatively quiet over an extended period. Output in May was reported by the Bureau of Census as 3,349,000 ounces, compared with 3,446,000 ounces in April, and 4,828,000 ounces in May of last year.

Streptomycin—The market for this antibiotic was sustained at a high level of demand under a firm price position. Supplies were reported as adequate to meet current domestic needs. Exports were still in good volume. No price changes in the market were expected in the immediate future. May production was reported by the Tariff Commission as 5,486,062 grams, compared with 4,497,262 grams produced in April.

Sulpha Drugs—The market for these materials was one in which suppies were abundant and shipments prompt. Prices were steady and there was no change likely to develop in the immediate future. Output of sulpha drug items in May of this year amounted to 575,895 pounds, compared with 559,461 pounds during April.

Triacetin—Demand for this material was limited, but steady. Prices were firm and the material moved in drum lots on a delivered basis at 35½ cents per pound.

Vitamins—The lower prices prevailing in fishliver oils and fishliver concentrates have not affected the price quotations on natural and synthetic vitamin A alcohols and esters.

For the first quarter of this year, vitamin exports in terms of dollar value totaled $5,240,474. However, the breakdown on this total figure is interesting. Of the total, $3,973,784 was in dosage form vitamin preparations, which left the bulk package exports of any one vitamin material relatively low. Exports for the first quarter of bulk vitamins A and D amounted to $448,667; vitamin B_1, $166,940; vitamin B complex, $282,608; vitamin C, $85,500; and vitamins not elsewhere state, $282,975.

Tariff Commission reports indicated May production of ascorbic acid and salts at 78,721 pounds, niacin and niacetacetamide at 81,981 pounds, pyridoxin at 611 pounds, and thiamin hydrochloride at 17,454 pounds.

Bostwick Opens N. Y. Offices

Bostwick Laboratories, producer of packaged aerosol products, has opened sales offices and show rooms at 41 East Forty-second street, New York. The company recently introduced a spray wax for automobiles and is contemplating the production of other aerosol products.

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Heads Manhattan Sales

James T. Bollettieri has been appointed manager of the Manhattan sales division of Winthrop-Stearns, Inc., New York, to succeed Thomas Bradley, who has resigned. Mr. Bollettieri joined the Winthrop-Stearns organization in 1942 as a professional service representative, and was named a special hospital representative in 1944.

Watkins Leaves NSRB

Ralph J. Watkins, director of plans and programs for the National Security Resources Board, has relinguished that post to return to his regular duties as director of research of Dun & Bradstreet, Inc., New York. He will continue his association with NSRB in a consulting capacity.

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Squibb Names Dillon, Hobson to New Posts

E. R. Squibb & Sons, drug manufacturer, New York, has appointed James A. Dillon manager of distribution and Dr. Lawrence B. Hobson associate medical director.

Mr. Dillon joined the Squibb organization in 1930 as credit manager in its Kansas City office. Prior to his current appointment he was branch manager of the Chicago sales division.

Dr. Hobson's responsibilities will be in the field of infections and infectious diseases, and he will continue his work in clinical investigation as a member of the staff of the New York Hospital-Cornell Medical Department.

APhA Awards 1949 Ruth Trophy

The American Pharmaceutical Association has awarded its Robert J. Ruth Trophy for the best display entered by a retail pharmacy in the 1949 National Pharmacy Week competition to the Nichols & Stuck Pharmace, Charles Town, W. Va. Certificates of merit for unusually effective displays will also be awarded to:—Shiner's Drug Store, Front Royal, Va.; J. H. Voige, jr., Fort Thomas, Ky.; Shepherd Park Pharmacy, Washington; Flemings' Pharmacy, Norfolk, Neb., and Altemus Pharmacy, Trenton, N. J.

Dow Describes Amino Acids

The Dow Chemical Company, Midland, Mich., has published booklets describing progress with tryptophan and methionine. The publications discuss the history and advancement of amino acid research and describe the properties and uses of the products. Copies may be obtained from the company.

Trade Briefs

Dr. Joseph P. LaRocca has been appointed associate professor of pharmacy at the University of Georgia.

Lloyd M. Hershey has been named director of research of the General Instrument Corporation, Elizabeth, N. J.

Essential oils, cosmetics, soap and similar products imported into Norway during 1948 were valued at 4,200,000 kroner, compared to 5,800,000 kroner in 1947.

Pharmaceutical and chemical products imported into Brazil during 1948 totaled $49,611,800, compared with $50,888,450 in the previous year.

United States Foreign Corporation, New York, has added Rolf Bie to its staff. Prior to this Mr. Bie was associated with Schering A. G. in Europe.

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Peruvian Customs Tariff Goes Into Effect Today

Specific information on the new import customs tariff to be placed into effect by the Peruvian government today, will be made available to United States foreign traders as soon as complete details have been received by the Office of International Trade.

According to information received by the United States Embassy at Lima, Peru, the new tariff will revise the rates of import duty, generally upward, on a large number of import classifications, OIT said. It is also reported that the revised import customs tariff is designed to provide an improved nomenclature and substantial increases in rates of duty for certain commodities.

Not all articles presently classified in the Peruvian import customs tariff schedule may be imported into Peru, OIT pointed out. Under existing regulations of December 3, 1948, and implementing provisions put into effect since that time, only about 40 percent of the items covered by the tariff schedule are included in the basic list of articles which may be imported into the country. All other items not on this basic list are at present automatically prohibited from import into Peru.

Dominican Republic Cuts Glass Jars Import Duties

The government of the Dominican Republic has reduced the duty on glass jars imported for industrial uses from .06 peso to .03 peso per net kilogram. The description of the tariff item under which these jars are dutiable has been changed to read as follows:—"Glass jars of any description with or without covers, for industrial uses, as receptacles of preserves, inks, cosmetics and similar items, when imported by the respective industries for packaging their products and the jars are marked or labeled accordingly, all certified by the Department of State for National Economy and supported with a sworn declaration of the importer before the Collector of Customs."

APhA, NARD Form Group

—Continued from page 7

sides expressed the hope that establishment of a contact of this kind, which is similar to the liaison effected by the pharmaceutical manufacturers through their contact committee, would prove extremely helpful in bringing about better compliance with the laws and regulations and assist in improving the effectiveness of the law and regulations in protecting the public.

Following a comprehensive discussion of the phases of the law which affect prescription practice, it was agreed to review the opinions expressed at a future meeting. It was the consensus of those taking part in the meeting that the discussions had been very constructive and had served to clarify the points of view of the officials as well as of the representatives of pharmacy.

Whether or not clarification of the regulations or amendment of the law are indicated will be determined when the committee confers again with representatives of the FDA.

The personnel of the committee is as follows:—Representing the APhA., Hugo H. Schaefer; Mearl D. Pritchard, who also represents the American College of Apothecaries; Don E. Francke, who also represents the American Society of Hospital Pharmacists; Robert P. Fischelis, ex-officio. Representing the NARD, Nicholas S. Gesoalde; Herman S. Waller, George H. Frates; John W. Dargavel, ex-officio. Representing the National Association of Chain Drug Stores, John E. Donaldson.

Glass Container Shipments Up

The total shipments of narrow-neck glass containers in May were 4,784,646 as compared with 4,276,999 in April according to the Bureau of Census. In this category the amount used for medicinal and health purposes was 898,220 in May, against 925,999, in April; chemicals, 534,519 in May, against 491,792 in April; toiletries, 414,216 in May, against 351,411 in April.

The total shipment of wide-mouth glass containers in May was 3,026,747, as compared with 2,591,984 in April. In this category, the amount used for medicinal and health was 216,244 in May, against 226,829 in April; chemicals, 93,442 in May, against 95,366 in April; toiletries, 137,294 in May, against 108,079 in April.

Trade Briefs

Drugs, chemicals, dyes and colors exported from the United Kingdom to Iran during 1948 were valued at £2,139,933, compared with £1,093,331 in the previous year.

Food Research Laboratories, Long Island City, N. Y., has reported requests for samples of vitamin B12 from Canada, Holland, Spain, France and India, as well as from many parts of this country.

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Dehydroacetic Acid Use As Stabilizer Reported

Dehydroacetic acid and its sodium salt have proved successful in limited field tests as food and cosmetic stabilizers, according to the Dow Chemical Company, Midland, Mich. Laboratory tests and field trials of these compounds show considerable promise in inhibiting bacteria, fungi and yeasts that are commonly encountered in the manufacturing and processing of cosmetics, food and food packaging materials and beverages, the company said.

Bids Wanted

Aluminum sulphate, 40 tons, Office of the Quartermaster (Fort Bragg, N. C.) invitation ENG-4, August 22.

Asphalt, petroleum, 94 short tons, Army Engineers Corps (San Francisco, Calif.) invitation ENG-2, September 2.

Cellulose acetate dope, 18,580 gallons, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 7874, August 19.

Cement, roofing, plastic, 2,000 pounds, San Antonio Air Materiel Area (Kelly Air Force Base, Tex.) invitation 21, August 18; Pettman, 2,000 gallons, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 44, September 12.

Coating compound, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 7737, postponed from August 9 to August 19.

Cutting oil, soluble, 4,500 gallons, Navy Purchasing Office (New York 3, N. Y.) invitation 5424, August 24.

Drugs and chemicals, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 1537, postponed from August 15 to August 22; various; invitation 1570, August 19; invitation 1569, August 24.

Dry Cleaning Solvent, 12,045 gallons, San Antonio Air Materiel Area (Kelly Air Force Base, Tex.) invitation 24, August 19.

Enamel, phthalate, 9,712 gallons, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 7830, August 17; rust inhibiting, 33,600 gallons, Army Ordnance Department (Rock Island, Ill.) invitation 13, August 26.

Fluorescent material, radioactive, 815 cartons, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 7883, August 19.

Gasoline, for period ending February 28, 1950, Purchasing Officer, District of Columbia (Washington 1, D. C.) schedule 13762-A, August 24.

Lacquer thinner, 10,000 gallons, Marine Corps Quartermaster General (Washington 25, D. C.) invitation 79, August 25.

Lead acetate, 54,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 7906, August 22.

Lubricant, Winter gear, 28,000 gallons, Armed Services Petroleum Purchasing Agency (Washington 25, D. C.) invitation 50-7, August 18.

Mustard, prepared, 18,000 one-gallon jars, Army Quartermaster Corps (Oakland 14, Calif.) invitation 26, September 6.

Nitrocellulose dope, 5,400 gallons, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 7851, August 18.

Paint thinner, 25,000 gallons, Marine Corps Quartermaster General (Washington 25, D. C.) invitation 79, August 25.

Paints and Paint materials, 23,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 8016, August 22; 2,000 gallons, Army Ordnance Department (Indiana Arsenal, Charlestown, Ind.) invitation 3, August 19; 500 gallons, Army Ordnance Department (Watertown 72, Mass.) invitation 9, August 22, invitation 10, August 22; various, Federal Reformatory for Women (Alderson, W. Va.) invitation 6-2295, August 18; various, Marine Corps Quartermaster General (Washington 25, D. C.) invitation 79, August 25; as required from November 15, 1949, through May 14, 1950, Bureau of Federal Supply (Washington 25, D. C.) class 52, August 18.

Parenteral drugs, various, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 1566, August 18; Veterans Administration (Washington 25, D. C.) invitation A-6, August 17.

Pharmaceutical preparations, as required from October 1, 1949, through March 31, 1950, Veterans Administration (Washington 25, D. C.) invitation A-7, August 22.

Reagent chemicals, various, U. S. Air Corps (Wright-Patterson Air Force Base, Dayton 1, Ohio) invitation 096-31, August 22.

Rubber cement, 1,172 gallons, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 7858, August 19.

Salad oil, 440 gallons, Bureau of Federal Supply (Washington 25, D. C.) invitation I-R 79571-R, August 25.

Sealing compounds, various, 235 gallons, Navy Department (Aviation Supply Office, Philadelphia 11, Pa.) invitation 7870, August 19; as required from November 15, 1949, through May 14, 1950, Bureau of Federal Supply (Washington 25, D. C.) class 52, August 18.

Shellac varnish, 200 gallons, Office of the Quartermaster (Military Academy, West Point, N. Y.) invitation MA-15, August 18.

Spices, various, New York Quartermaster Purchasing Office (New York 3, N. Y.) invitation 53, September 1.

Turpentine, steam distilled, 275 gallons, Bureau of Federal Supply (New York 13, N. Y.) invitation NY-W-17688, August 17; 504 gallons, Office of the Quartermaster (Military Academy, West Point, N. Y.) invitation MA-15, August 10.

Yeast, Department of Public Health and Welfare (Cleveland, Ohio) Ordinance No. 636-49, August 19; as required during 1950, Department of the Interior (Bureau of Indian Affairs, Chicago 6, Ill.) invitation 209, August 18.

Monsanto Engages Morse

Monsanto Chemical Company, St. Louis, Mo., has appointed Dr. Roy E. Morse food technologist in the research laboratories of its phosphate division at Anniston, Ala. Dr. Morse was formerly associate professor of food technology at the University of Georgia and had previously taught at the University of Massachusetts.

Trade Briefs

Sulphuric acid production at a new plant in La Paz, Bolivia, is reported to be at the rate of one metric ton per day, but it is hoped to increase the output to one and a half tons per day.

Hall Laboratories, Inc., Pittsburgh, has devised a method of using the spectograph in the solution of water problems to supplement the usual chemical method of analyzing boiler scales, deposits and other materials.

Graphite exported from Madagascar during the first quarter of 1949 totaled 1,317 metric tons, compared with 2,200 tons in the previous quarter. The United States received ninety tons in the first quarter of 1949, compared with 1,129 tons in the last quarter of 1948.

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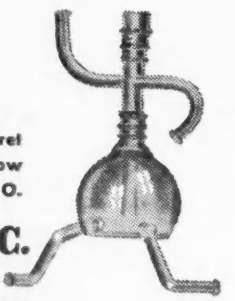
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Arner Elects Klendshoj Executive Vice-President

The Arner Company, drug manufacturer, Buffalo, N. Y., has elected Dr. Niels C. Klendshoj executive vice-president and Roy Y. Sanders jr. vice-president in charge of sales, following the retirement of Arthur J. Meier as general manager. Mr. Meier, who was vice-president and general manager, will continue as vice-president and consultant.

Dr. Klendshoj has been associated with the company since 1927 and has been serving as medical and technical director. Mr. Sanders, who joined the company in 1943, was formerly assistant sales director. Mr. Meier had been vice-president and general manager for the past seventeen years.

Lakeside Names Friedman Director of Laboratories

Lakeside Laboratories, Inc., Milwaukee, Wis., has appointed Dr. Harris L. Friedman director of laboratories. Dr. Friedman, who was formerly chief of the chemistry division, was director of the division of pure research of the Pyridium Corporation before joining the Lakeside staff. He has also served as consultant in organic development to various pharmaceutical houses.

Ilgenfritz Nominated For Munitions Board

Carl A. Ilgenfritz, vice-president of the United States Steel Corporation, Pittsburgh, was nominated by President Truman last Friday to be chairman of the Munitions Board, filling the vacancy created by the resignation of Donald Carpenter, of E. I. du Pont de Nemours & Co.

ACS Section Elects

Dr. W. A. La Lande jr., director of research and development of the Pennsylvania Salt Manufacturing Company, Philadelphia, has been elected chairman of the Philadelphia section of the American Chemical Society. He succeeds Dr. C. H. Fisher, head of the carbohydrates division of the Eastern Regional Research Laboratory.

Dr. Allan R. Day, University of Pennsylvania, was named chairman-elect, and Dr. William G. Batt, Biochemical Foundation, Newark, Del., and Miss Helen F. Tucker, Rohm & Hass Company, were elected secretary and treasurer, respectively.

Drug Industry Amendment

—Continued from page 3

cally for exports. This could be done by adding at the end of H.R. 562 language somewhat as follows:—

" 'The Administration shall promulgate regulations exempting from any labeling or packaging requirement of this act, food, drugs, devices and cosmetics which, in good faith and in accordance with the practice of the trade, are exported or held or delivered for export to a foreign country and are there to be processed, repacked, labeled, or used in the preparing of food, drugs, devices or cosmetics.'

"This language is adapted from section 503(a) of the act relating to drugs and devices and its companion sections 405 and 603 relating to food and cosmetics, respectively. These sections contemplate jurisdiction over both the interstate shipper and consignee and condition the exemption on performance by the consignee. Such conditioning is obviously inapplicable to the performance of consignee in foreign countries."

The August 8 hearing was the last the subcommittee plans to hold on the bill, which already has house approval. Although the group will discuss it further in executive session, and possibly report it out, there is little likelihood of its being voted upon at this session of Congress.

Drug Export Controls

—Continued from page 3

for shipment of medicinal chemicals under schedule B 813593 or 813595 have consisted of a number of miscellaneous items, any item of which seldom exceeded the then authorized GLV limit. Consequently, this expanded GLV provision should reduce materially the number of applications and products to be listed on future applications for license. According to Mr. Delehanty it has not been unusual for a single shipment to consist of fifty or more items, in which the value of every single product was below the GLV limit.

To summarize the above, hereafter no license is required for a product unless listed on the positive list, and such products should only be listed on an application where the GLV is in excess of the authorized value limit of the specific product.

Du Pont to Consolidate

—Continued from page 5

said. They pointed out that a number of important products offered by the plastics department are manufactured wholly or in part by the ammonia department, and added that all product lines now manufactured by both departments will be continued.

Headquarters of the new department will be in Wilmington, and it will have jurisdiction over plants currently operated by the plastics department at Arlington, N. J.; Parkersburg, W. Va., and Leominster, Mass., as well as ammonia department plants at Belle, W. Va.; Orange, Tex., and Victoria, Tex.

Arnold E. Pitcher, general manager of the plastics department, was scheduled to retire on June 30, but has acceded to a request of the executive committee to remain until the consolidation is effected, the company said.

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Miss. Chemical Elects Whittington President

The Mississippi Chemical Corporation, Jackson, Miss., has elected C. S. Whittington president, to succeed the late J. S. Williams. P. C. Williams was named to

C. S. Whittington

fill the late Mr. Williams' seat on the board of directors, C. L. McNeil was elected first vice-president, and F. A. Anderson was named second vice-president.

The company has awarded a contract to the Girdler Corporation, Louisville, Ky., for the construction of a plant at Yazoo City, Miss., at an approximate cost of $5,000,000. Construction work on the plant, which will produce anhydrous ammonia, is expected to be started in the Fall.

Owen Cooper has been continued as executive vice-president of the company, and the following are serving on its board of directors:—C. E. Denton, R. C. Malone, R. E. Chapman, G. C. Cortright, jr., George Crawford, H. R. McIntosh, Jasper Blount, John W. Taylor, Hudson Kyle, H. P. Sullivan, M. T. Reed and Charlie Maddox.

Obituaries

Dr. P. G. Nutting

Dr. Perley G. Nutting, retired geophysicist with the Geological Survey for fifteen years died in Washington, D. C., on August 8, shortly after he left the survey's laboratory in the Department of the Interior building. He was seventy-six years old. Although he had retired from the survey six years ago, Dr. Nutting visited there daily to continue a study of clay minerals.

Dr. Max Spitzer

Dr. Max Spitzer, founder of the Electrochemical Construction Company, New York, died recently in this city of a heart attack. He was sixty-six years old. Before coming to this country in 1941, Dr. Spitzer was technical director of firms producing chemicals in central Europe, Norway and France. He also worked in Argentina.

Percy A. E. Armstrong, a leader in the development of complex stainless alloys, died recently in Westport, Conn. He was sixty-six years old. Mr. Armstrong held more than 100 patents, mostly on steel alloys. He was formerly a general manager with the Allegheny Ludlum Steel Company of New York.

Herbert J. Bird, former president of the American Butter Institute and retired assistant manager of the Swift & Co. dairy and poultry department, died recently on Neebish Island, near Sault Ste. Marie, Michigan. He was seventy-two years old.

John Francis Carmody, a pioneer in gas drilling in Western Ontario, died recently in Brantford. He made possible the drilling of the first wells in many Ontario areas and in 1894 sank what was then the deepest well, to a depth of 3,030 feet. He was eighty-five years old.

John D. Champlin III, former mine manager for the Ling Asbestos Company, Canada, died August 11 in Queens General hospital, New York. He was seventy-four years old.

Dr. Arthur M. Cloudman, senior biologist at the Argonne National Laboratory, died recently in Chicago of a heart attack. He was forty-eight years old.

Dr. Hyman H. Goldsmith, chief of the information and publication division of the Brookhaven National Laboratory, Upton, L. I., died recently of injuries suffered in a swimming accident. He was forty-two years old. He was an instructor in physics at City College in New York and later became an assistant professor at the University of Chicago before the war. He then served for several years with the Army's atomic bomb project.

Samuel A. Harris, former metallurgist with the War Production Board and later with the War Assets Administration, died recently in Cleveland. He was fifty-three years old.

John A. Marcuse, vice-president of the West Disinfecting Company, Long Island City, N. Y., died recently in White Plains, N. Y., hospital. He was fifty years old and had been with the company nearly thirty years.

Paul H. Miller, attorney for the Federal Trade Commission, died during the night of August 11 at his home in McLean, Va. He was thirty-six years old. Death was believed to be due to heart failure.

Kitchen Visiting Europe

Dr. Delmas K. Kitchen, medical director of Bristol Laboratories, Inc., New York, has sailed for Europe, where he will deliver an address before the assembly of the International Union Against Venereal Disease. Dr. Kitchen will report on the results of a "one injection" clinical study of "Flo Cillin 96" in syphilis.

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[1] Selye, H. Text. of Endoc. 1947. [2] Sevringhaus & Sikkemma, Jour. Clin. Endoc. 6:415, 1946. [3] Lisser & Escamilla, Jour. Clin. Endoc. 2:351, 1942.

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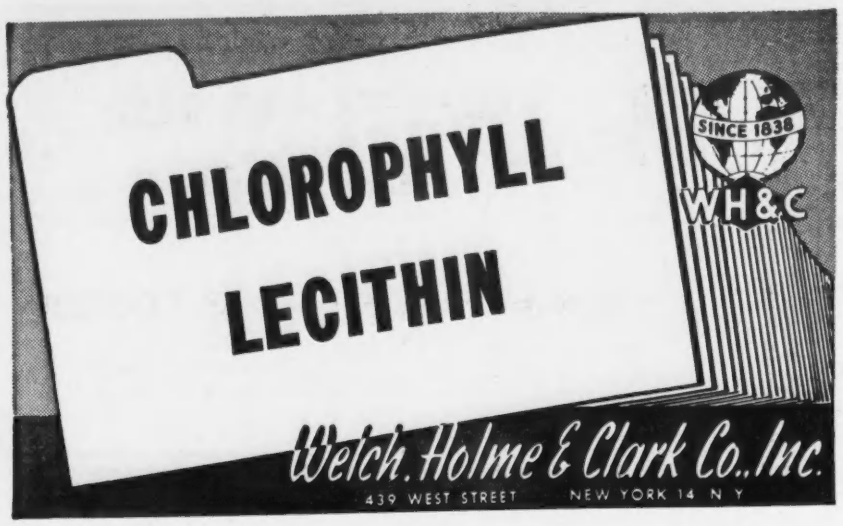

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SODIUM LACTATE — In solution form. 50% edible, water-white, for pharmaceutical formulation with sulfa drugs, to offset indigestion, preclude shock. 50% non-edible, pale brown, for technical use.

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"N-Z-Case"★—Laboratory casein peptone
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Chemical—Selective solvent for liquid-vapor extraction, liquid-liquid extraction, separating mixtures of components having different degrees of saturation or polarity.

Fats, Oils, and Waxes—Selective solvent in refining vegetable oils.

Petroleum—Selective solvent for liquid-vapor extraction, liquid-liquid extraction, separating mixtures of components having different degrees of saturation or polarity; in desulphurizing petroleum fractions and separating aromatics from paraffins, naphthenes, and olefins (said to offer chemical inertness, high selectivity for many compounds, low corrosivity, easy removal from many mixtures by a simple water wash).

Dipentene

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Chemical—Process material in making polyterpenes and other chemical products.

Paint, Varnish, and Lacquer—Antiskinning agent in paints, varnishes, and lacquers.

Thinner in paints, varnishes, and lacquers.

Perfume—Diluent in perfumes.

Pesticide—Solvent for some insecticidal materials.

Resins—Process material in making synthetic resins.

Rubber—Solvent in reclaiming rubber.

Ethyleneglycol Acetal of Phenylacetaldehyde

Perfume—Homogenizer for floral odors.
Softener for floral odors.

2-Ethylhexanediol-1:3

Chemical—High-boiling, nonvolatile glycol for general chemical application.

Cosmetic—Ingredient of cosmetic preparations.

Pesticide—Repellent for insects (claimed to be highly effective, long lasting, pleasant to apply, safe to use).

Flint

(Flintstone).

Abrasives — Ingredient of burnishing and polishing compounds, sandpaper.
Raw material for making agate mortars, balls for mills, other grinding agents.

Building Construction—Ingredient of artificial building stones, concrete.
Raw material used as building stone.

Ceramic — Raw material in making enamel ware, porcelains, potteries, stoneware, and other ceramic products.

Chemical—Packing for towers.

Glass—Raw material used in making flint glass.

Miscellaneous—Raw material for making agate marbles.

Refractories—Raw material for making refractory bricks.

Printing—Graining agent for lithographic plate.

Gilsonite

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Building Construction—Increaser of resistance of asphalt tile and roofing to heat and wear.

Electrical—Increaser of insulating value, durability, resistance to heat, and oxidation in dielectric coatings.

Ink—Pigment in printing inks.

Miscellaneous—Homogenizer in waxy coatings of various kinds.
Increaser of resistance to chemical action in waxy coatings, wax-tolerance of solutions in waxy coatings.

Paint, Varnish, and Lacquer—Alligatoring reducer in black varnishes.
Increaser of acid, alkali, and sun resistance in black varnishes; luster and hardness in black varnishes.

Plastics—Imparter of valuable characteristics to certain molded compositions.
Resins—Imparter of valuable characteristics to certain molded compositions.

Glyoxal

Chemical—Starting point in making sodium bisulphite addition product used as intermediate in synthesis of pyrazin-2:3-dicarboxylic acid, an important wartime antipellagra drug.

Ink—Insolubilizing agent for binders in printing inks.

Leather—Promising new process material in tanning.

Miscellaneous—Promising new agent in insolubilization of starch and formulation of match-head compositions.

Paper—Promising new agent in paper sizes, increasing the wet strength of paper (in combination with hydroxyethylcellulose).

Rayon—Antishrinking agent in "Sanforset" process.

Textile—Promising new agent in shrinkproofing cotton.

Itaconic Acid

(Additional uses, supplementary to those given in OPD June 16, 1947.)

Paint, Varnish, and Lacquer—Promoter of harder finishes and better color.
Reducer of baking time of oil-modified alkyds.

Plastics—Starting point in making plastics materials by (1) condensing with glycols, (2) simple esterification, (3) polymerizing.

Lithium Manganite

Ceramic—Fluxing agent in enamels.

Nutgalls

(Agalla, Aleppo Galla, Galla, Galla Halepensis, Gallae, Gallapfel, Galle, d'Alep, Galle de Chene, Gallen Galls, Mecca Galls, Noix de Galle, Noce di Galla, Smyrna Galls, Syrian Galls, Turkey Galls.)

Chemical—Source of gallic and gallotannic acids.
Starting point in making extracts for various uses.

Ink—Raw material in making iron writing inks.

Leather—Starting point in making tanning extracts.

Pharmaceutical—In compounding and dispensing practice.

Textile—Starting point in making extracts for use as mordants in dyeing and printing.

Octadecenyloxyglycolic Acid

Adhesives—Wetting agent (Brit. 420812) in various adhesive preparations.

Chemical—Wetting agent (Brit. 420812) in making emulsions of various chemicals, textile lubricants.

Cosmetic—Wetting agent (Brit. 420812) in creams, hand lotions, and the like.

Disinfectant—Wetting agent (Brit. 420-812) in disinfecting and germicidal compositions.

Dry-Cleaning—Wetting agent (Brit. 420-812) in dry-cleaning solutions.

Fats, Oils, and Waxes—Wetting agent (Brit. 420812) in boring, cutting, drilling, and wire-drawing oils, greasing and lubricating compositions, sulphonated oils, wax preparations.

Ink—Wetting agent (Brit. 420812) in printing and writing inks.

Leather—Wetting agent (Brit. 420812) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions.

Metallurgical—Wetting agent (Brit. 420-812) in metal-plating and solvent degreasing processes, metal-cleaning baths, scouring agents for metals.

Miscellaneous—Modifier (Brit. 420812) of surface tension of liquids in various products and processes.
Wetting agent (Brit. 420812) in cleaning compositions, embalming fluids, ink removers, polishing compositions, soldering fluxes, wallpaper removers, waterproofing compositions, in making beer-glass coasters, in various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting.

Paint, Varnish, and Lacquer—Wetting

agent (Brit. 420812) in lacquers, paints, varnishes, and in pigment manufacture.

Paper—Wetting agent (Brit. 420812) in beater operations, dye liquors, felt conditioning, felt-cleaning agents, sizing, waterproofing, and waxing compositions.

Pesticide—Wetting agent (Brit. 420812) in insecticidal and fungicidal compositions, horticultural sprays.

Petroleum—Wetting agent (Brit. 420812) in cutting oils, mineral oil, pitch, and tar compositions.

Photographic—Wetting agent (Brit. 420-812) in blueprint and photographic processes.

Rubber—Wetting agent (Brit. 420812) in cements.

Soap—Wetting agent (Brit. 420812) in detergent compositions, textile soaps.

Textile—Wetting agent (Brit. 420812) in bleaching, boiling-off, bowking, carbonizing, degumming, dyeing, fulling, kier-boiling, mercerizing, and soaking baths; coating, degreasing, oiling, scouring, sizing spinning, washing, waterproofing, and waxing compositions; printing pastes.

Succinic Acid Ditrimethyleneglycol-ester Dipropionate

Textile—Lubricant (U.S. 2234721 and 2234722) in conditioning textile yarns containing organic derivatives of cellulose.

Tetrahydrofurfurylacetic Acid Esters

Adhesives—Plasticizer (French 878963) in adhesive compositions containing cellulose derivatives or synthetic resins (acrylic, vinyl).

Ceramic—Plasticizer (French 878963) in coating compositions, containing cellulose derivatives or synthetic resins (acrylic, vinyl), used for protecting and decorating ceramic articles.

Cosmetic—Plasticizer (French 878963) in nail enamels and lacquers.

Electrical—Plasticizer (French 878963) in insulating compositions, containing either cellulose derivatives or synthetic resins (acrylic, vinyl), used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (French 878963) in coatings for protecting and decorating glassware.

Leather—Plasticizer (French 878963) in compositions, containing cellulose derivatives or synthetic resins (acrylic, vinyl), used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating — Plasticizer (French 878963) in coating compositions, containing cellulose derivatives or synthetic resins (acrylic, vinyl), used for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (French 878-963) in coating compositions, containing cellulose derivatives or synthetic resins (acrylic, vinyl), used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer (French 878963) in paints, varnishes, lacquers, enamels, and dopes.

Paper—Plasticizer (French 878963) in compositions containing cellulose derivatives or synthetic resins (acrylic, vinyl), used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Rubber—Plasticizer (French 878963) in coating compositions containing cellulose derivatives or synthetic resins (acrylic, vinyl), used for decorating and protecting rubber goods.

Stone—Plasticizer (French 878963) in coating compositions, containing cellulose derivatives or synthetic resins (acrylic, vinyl), used for decorating and protecting artificial and natural stone.

Textile—Plasticizer (French 878963) in compositions, containing cellulose derivatives or synthetic resins (acrylic, vinyl), used in the manufacture of coated fabrics.

Wood—Plasticizer (French 878963) in compositions, containing cellulose derivatives or synthetic resins (acrylic, vinyl) used as protective and decorative coatings on woodwork or for many filling and repairing purposes on wood.

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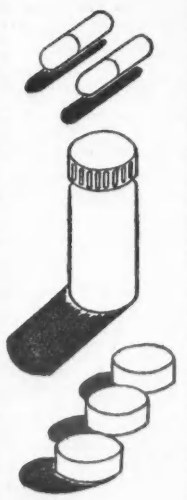

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2 cs, Nom Wah Co, Gertrude Maersk, Hong Kong

AMBRETTE SEED—9 bgs, W J Bush & Co, Notos, Port au Prince

AMMONIUM CARBONATE—20 cs, American British Chemical Supply Co, Egidia, Glasgow

AMYRIS OIL—5 dms, Norda Essential Oil & Chemical Co, Notos, Miragoane
3 dms, Ungerer & Co, Notos, Miragoane

ANILIN COLORS—12 cs, Alltransport Corp, Indochinois, Havre
14 dms, Sandoz Chemical Works, Saturnia, Genoa

ANISE OIL—30 dms, Norda Essential Oil & Chemical Co, Steel Executive, Hong Kong
10 dms, East Asiatic Co, Steel Executive, Hongkong
20 dms, Norda Essential Oil & Chemical Co, Pioneer Wave, Hong Kong
15 dms, East Asiatic Co, Gertrude Maersk, Hong Kong
35 dms, Norda Essential Oil & Chemical Co, Gertrude Maersk, Hong Kong
10 dms, Kane Import & Export Corp, Gertrude Maersk, Hong Kong

ANTIMONY ORE—1,200 bgs, U S Treasury Dept, Santa Isabel, Antofagasta
500 bgs, South American Minerals & Merchandising Corp, Gladys Dan, Mellendo
518 tons, South American Minerals & Merchandising Corp, Gladys Dan, Salaverry

ARABIC GUM—250 bgs, T M Duche & Sons Co, Exhibitor, Port Sudan
250 bgs, Richard D Heins Co, Exhibitor, Port Sudan
86 bgs, Colony Import & Export Corp, Exhibitor, Port Sudan
50 bgs, Thurston & Braidich, Exhibitor, Port Sudan
20 bgs, Innis Speiden & Co, Exhibitor, Port Sudan

ASBESTOS FIBER — 1,560 bgs, Raybestos Inc, African Planet, Beira
1,800 bgs, New York Trust Co, Robin Sherwood, Lourenco Marques

BABASSU KERNELS—3,333 bgs, General Foods Corp, Mormaclark, Sao Luis

BAUXITE—2,200 tons, Aluminum Import Corp, Sun Valley, Georgetown
3,180 tons, General Refractories Inc, Sun Valley, Georgetown
3,502 tons, American Cyanamid Co, Marcala, Everton

BEESWAX—18 bgs, Machado & Co, Suzanne, Ciudad Trujillo
17 bgs, Poons & Co, Suzanne, Ciudad Trujillo
27 bgs, Geck Trading Co, Suzanne, Ciudad Trujillo
3 bgs, Notos, Ganaives
36 bgs, Banco De Chile, Santa Isabel, Valparaiso
19 bgs, M Rothschild Co, Agwidale, Havana
5 bgs, General Import Distributing Corp, Agwidale, Havana
77 blocks, F H Paul & Stein Bros, Inc, Exhibitor, Djibouti

BERYL ORE—1,800 bgs, Beryllium Corp, Helvig, Victoria

BONES—60 bgs, International Packers Commercial Corp, Loide Uruguai, Rio Grande

BONE MEAL—2,000 bgs, Bank of New York, Indochinois, Havre
1,250 bgs, Transatlantic Animal By-Products Corp, American Planter, Havre

BRUCINE—4 cs, Gane & Ingram Inc, Egidia, Glasgow

CANDELILLA WAX—274 bgs, Agwiprincess, Tampico

CARAWAYSEED—200 bgs, J F Frank Co, Westerdam, Rotterdam
100 bgs, Catz American Co, Westerdam, Rotterdam

CARNAUBA WAX—80 bgs, Stein, Hall & Co, Loide Uruguai, Salvador
56 bgs, Wessel, Duval & Co, Uruguay, Rio de Janeiro
56 bgs, Frank B Ross Co, Loide Argentina, Salvador
105 bgs, Wessel, Duval & Co, Loide Argentina, Salvador
111 bgs, Natural Products Corp, Mormaclark, Fortaleza
69 bgs, National City Bank, Mormaclark, Fortaleza
22 bgs, Bank of London & S A, Mormaclark, Fortaleza
90 bgs, William Diehl Co, Mormaclark, Fortaleza
33 bgs, Strohmeyer & Arpe Co, Mormaclark, Fortaleza
77 bgs, William Diehl Co, Mormaclark, Fortaleza
78 bgs, Wessel Duval & Co, Mormaclark, Fortaleza
55 bgs, Strahl & Pitsch, Inc, Mormaclark, Fortaleza
55 bgs, Stein Hall & Co, Mormaclark, Fortaleza
55 bgs, Wessel Duval & Co, Mormaclark, Fortaleza
1,145 bgs, Mormaclark, Parnahyba
289 bgs, Wessel Duval & Co, Mormaclark, Parnahyba
88 bgs, Strohmeyer & Arpe Co, Mormaclark, Parnahyba
213 bgs, Stein, Hall & Co, Mormaclark, Parnahyba

CASEIN—930 bgs, National Casein Sales Corp, Uruguay, Buenos Aires
500 bgs, American British Chemical Supply Co, Uruguay, Buenos Aires
3,120 bgs, American Cyanamid Co, Uruguay, Buenos Aires
373 bgs, F H Paul & Stein Bros, Inc, Indochinois, Havre
100 bgs, American Cyanamid Co, Bowhill, Buenos Aires

CASSIA—200 bls, East India Trading Co, Steel Executive, Hong Kong
530 bls, Karl H Landes Co, Steel Executive, Hong Kong
300 bls, Norwalk Mills Co, Steel Executive, Hong Kong
750 bls, Arthur G Dunn Co, Steel Executive, Hong Kong
206 bls, East Asiatic Co, Steel Executive, Hong Kong
100 bls, Balex Co, Steel Executive, Hongkong
200 bls, East India Trading Co, Pioneer Wave, Hong Kong
1,000 bls, Kane Import Corp, Pioneer Wave, Hong Kong
100 bls, W M Allison & Co, Pioneer Wave, Hong Kong
464 bls, Arthur G Dunn Co, Pioneer Wave, Hong Kong
250 bls, Karl H Landes Co, Pioneer Wave, Hong Kong
50 bls, Knickerbocker Mills Corp, Pioneer Wave, Hong Kong
100 bls, Otto Gerdau Co, Pioneer Wave, Hong Kong
400 bls, Arthur G Dunn Co, Dona Aurora, Hong Kong
100 bls, Archibald & Kendall, Dona Aurora, Hong Kong
100 bls, R J Spitz & Co, Dona Aurora, Hong Kong
200 bls, Arthur G Dunn Co, Star of Suez, Hong Kong
400 bls, C M Van Sillevoldt Co, Star of Suez, Hong Kong

CASSIA—250 bls, Becker Mayer Seed Co, Gertrude Maersk, Hong Kong
100 bls, Arnhold & Co, Gertrude Maersk, Hong Kong
400 bls, H E Botzow Co, Gertrude Maersk, Hong Kong
400 bls, H E Botzow Co, Gertrude Maersk, Hong Kong
300 bls, R J Spitz & Co, Gertrude Maersk, Hong Kong
884 bls, Arthur G Dunn Co, Gertrude Maersk, Hong Kong
200 bls, K H Landes Co, Gertrude Maersk, Hong Kong
70 bls, Archibald & Kendall, Gertrude Maersk, Hong Kong

OIL—10 dms, Dodge & Olcott, Inc, Gertrude Maersk, Hong Kong

CASTORBEANS—8,500 bgs, Baker Castor Oil Co, Loide Uruguai, Santos
3,400 bgs, Baker Castor Oil Co, Loide Uruguai, Salvador
368 bgs, Spencer Kellogg & Sons, Inc, Notos, Port au Prince
1,400 bgs, Baker Castor Oil Co, Notos, Port de Paix
548 bgs, Brown Bros Harriman Co, Isaiah, Cape Haitien
5,034 bgs, Baker Castor Oil Co, Loide Argentina, Salvador
11,880 bgs, Baker Castor Oil Co, Mormaclark, Cabedello
1,700 bgs, Spencer Kellogg & Sons, Inc, Mormaclark, Maceio
1,700 bgs, Baker Castor Oil Co, Mormaclark, Cabedello
1,693 bgs, Spencer Kellogg & Sons, Inc, Mormaclark, Natal
790 bgs, Spencer Kellogg & Sons, Inc, Mormaclark, Fortaleza

OIL—494,874 kilos, Bunge Corp, Loide Uruguai, Recife

CHROME ORE—4,894 tons, E J Lavino & Co, African Planet, Beira
996 tons, Vanadium Corp, African Planet, Beira
2,000 tons, E J Lavino & Co, Dona Aurora, Masinloc
1,123 tons, Philadelphia National Bank, Robin Sherwood, Lourenco Marques
3,482 tons, E J Lavino & Co, Fernbay, Santa Cruz

CINNAMON QUILLS—100 bls, D Hecht & Co, Tarakan, Colombo
200 bls, Otto Gerdau Co, Tarakan, Colombo

COD LIVERS—64 tcs, Silmo Chemical Co, Swivel, St Johns

OIL—350 dms, Nopco Chemical Co, Swivel, St Johns
150 dms, Atlas Refining Co, Swivel, St Johns
177 dms, White Laboratories Inc, Fort Amherst, St Johns
50 dms, E F Drew & Co, Fort Amherst, St Johns

COPAL GUM—198 bkts, S Winterbourne Corp, Tarakan, Soerabaya
142 bkts, O G Innes Corp, Schiedyk, Macassar

CREAM OF TARTAR—100 bbls, Bank of London & S A, Ribeira Grande, Lisbon

CRESYLIC ACID—181 dms, Concord Chemical Co, American Chief, Manchester
450 dms, Lehn & Fink Corp, American Traveler, Liverpool

CUMIN SEED—914 bgs, Hoegh Silvermoon, Khoramshahr

CYANIDE PRECIPITATE—13 cs, American Metal Co, Santa Isabel, Puna

DAMMAR GUM—280 bgs, Internatio Rotterdam Co, Schiedyk, Singapore

ESSENTIAL OILS—20 dms, Norda Essential Oil & Chemical Co, Steel Executive, Hong Kong
2 cs, Tombarel Products Corp, Atlantic, Cannes
2 cks, Tombarel Products Corp, Atlantic, Cannes
2 cs, J Danco, Inc, Atlantic, Cannes
6 cs, Lo Curto & Funk Co, Atlantic, Cannes
6 dms, Norda Essential Oil & Chemical Co, Westerdam, Rotterdam
1 cs, Coty Products Corp, Indochinois, Havre
2 cs, Lentheric Inc, Indochoinois, Havre
2 cs, Indochinois, Havre

EUCALYPTUS OIL—39 dms, Farmers Chemical Co, Port St John, Melbourne
10 dms, Orbis Products Corp, Port St John, Melbourne
5 dms, Lo Curto & Funk Co, Port St John, Melbourne

FERRO MOLYBDENUM—600 cs, Mercantile Metal & Ore Co, Pioneer Wave, Kobe

TUNGSTEN—1,200 cs, Chase National Bank, Star of Suez, Kobe
2,039 cs, J W Hampton Jr & Co, Star of Suez, Kobe

FISHLIVER OIL—10 dms, Pioneer Wave, Yokohama
10 dms, Nopco Chemical Co, Pioneer Wave, Yokohama
27 dms, Barclays Co, Pioneer Wave, Yokohama

FLEASEED—466 bgs, Peek & Velsor, Inc, Exhibitor, Bombay
222 bgs, S B Penick & Co, Exhibitor, Bombay

FUEL OIL—53,153 bbls, Cities Service Oil Co, Bull Run, Curacao
105,000 bbls, Esso Export Corp, Steens Moutain, Aruba
93,000 bbls, Esso Standard Oil Co, Esso Aruba, Aruba
106,000 bbls, Esso Export Corp, Esso Raleigh, Aruba
90,000 bbls, Esso Standard Oil Co, Esso Bolivar, Aruba
111,047 bbls, Esso Standard Oil Co, Kittanning, Caripito
102,834 bbls, New England Petroleum Corp, Fort Moultrie, Curacao
103,000 bbls, Esso Standard Oil Co, Esso Chattanooga, Aruba

GALANGAL ROOT—84 bls, William E Martin Co, Pioneer Wave, Hong Kong

GLUESTOCK—364 bls, Agwiprincess, Tampico

GRAPHITE—500 bgs, Vergelegen, Durban
250 bgs, Asbury Graphite Mills, Fernbay, Colombo

GYPSUM, CRUDE—1,019 tons, National Gypsum Co, Waltn, Little Narrows
8,273 tons, National Gypsum Co, Rana, Dingwall

INCENSE GUM—67 bgs, R D Heins & Co, Exhibitor, Aden

IODINE, CRUDE—50 cs, Rosenthal Bercow Co, Pioneer Wave, Yokohama
75 cs, Rosenthal Bercow, Star of Suez, Yokohama

IRON OXIDE—1,668 bgs, Wells City, Avonmouth
1,220 bgs, C J Osborn, Wells City, Avonmouth

KARAYA GUM—80 bgs, Stein, Hall & Co, Exhibitor, Bombay
4 bgs, Innis, Speiden & Co, Exhibitor, Bombay

LEMONGRASS OIL—7 dms, Lo Curto & Funk Co, Notos, Port au Prince
8 dms, Lo Curto & Funk Co, Exhibitor, Cochin

LIME OIL—3 dms, Dodge & Olcott Inc, Notos, Port au Prince

LOCUST BEAN GUM—100 bgs, Bank of New York, Britannic, Liverpool

MAGNESITE—2,484 bgs, Golwynne Chemical Corp, Exhibitor, Madras

MANGROVE EXTRACT—1,000 bgs, Saxe Cutch Corp, Tarakan, Singapore

MEDICINAL HERBS—400 bls, S B Penick & Co, Pioneer Wave, Hong Kong
100 bgs, Peek & Velsor Inc, Westerdam, Rotterdam

MENTHOL—10 cs, Norda Essential Oil & Chemical Co, Pioneer Wave, Hong Kong
10 cs, Arthur G Gailler Co, Steel Executive, Hong Kong
25 cs, Norda Essential Oil & Chemical Co, Steel Executive, Hong Kong
20 cs, Paul A Dunkel Co, Star of Suez, Shanghai
13 cs, Paul A Dunkel Co, Gertrude Maersk, Hong Kong

MICA—157 cs, Andrew Lager Co, Helvig, Rio de Janeiro
25 cs, Colonial Trust Co, Helvig, Rio de Janeiro
13 cs, Sylvania Elec Products Corp, Helvig, Rio de Janeiro
20 cs, Brown Bros Harriman Co, African Planet, Beira
25 cs, Cosmopolitan Tradng Co, Alf Lindeberg, Rio de Janeiro
50 cs, Sylvania Electrical Products Corp, Uruguay, Rio de Janeiro
241 cs, Manchard Trading Corp, Exhibitor, Calcutta
413 cs, Asheville, Schoonmaker Mica Co, Exhibitor, Calcutta
25 cs, United Mineral & Chemical Co, Exhibitor, Calcutta
50 cs, Ameritex Industries, Exhibitor, Calcutta

MOLYBDENITE—184 dms, J W Hampton Jr & Co, Star of Suez, Kobe

MYRRH GUM—27 bgs, R D Heins Co, Exhibitor, Aden

NAPHTHALENE—1,000 bgs, Black Eagle, Antwerp
2,496 bgs, Charles Page, Robert Maersk, Rotterdam
1,250 bgs, Associated Mineral & Chemical Co, Robert Maersk, Rotterdam

NIGER GUM—537 bgs, Chicle Dev Corp, African Pilgrim, Lagos

NUTMEGS—72 bgs, Norda Essential Oil & Chemical Co, Schiedyk, Macassar

OLIBANUM GUM—107 bgs, Fredrick Faroane Co, Exhibitor, Aden

OURICURY WAX—80 bgs, Stein Hall & Co, Loide Uruguai, Salvador
224 bgs, Wessel, Duval & Co, Loide Argentina, Salvador
56 bgs, Frank B Ross Co, Loide Argentina, Salvador
56 bgs, W R Grace & Co, Scania, Bahia

PALM OIL—897 tons, Balfour, Guthrie Inc, Fernglen, Matadi

PALMAROSA OIL—1 dm, Fritzsche Bros, Inc, Exhibitor, Bombay

PAPAIN—8 cs, R J Prentiss & Co, Tarakan, Colombo
37 cs, P H Hoffmann Co, Robin Sherwood, Mombasa
17 cs, Irving Trust Co, Robin Sherwood, Mombasa
112 cs, Grace National Bank, Robin Sherwood, Mombasa
10 cs, Chas L Huisking Co, Robin Sherwood, Mombasa
31 cs. Ferment Co, Fernbay, Colombo

PEATMOSS—1,000 bls, Premier Peat Moss Corp, American Chief, Dublin

PEPPER, BLACK—80 bgs, Westerdam, Rotterdam
36 bgs, Joensson & Cross Inc, Schiedyk, Bangkok
240 bgs, Mincing Trading Co, Exhibitor, Bombay
160 bgs, Moller Trading Co, Exhibitor, Cochin
80 bgs, Bank of Montreal, Exhibitor, Cochin

PETROLEUM, CRUDE—116,714 bbls, Esso Standard Oil Co, Joshua Tree, Las Piedras
53,433 bbls, Cities Service Oil Co, Bull Run, Amuay
122,728 bbls, Esso Standard Oil Co, Esso Scranton, Puerto La Cruz

POPPYSEED—100 bgs, C M Van Sillevoldt Co, Robert Maersk, Rotterdam
826 bgs, Louis Furth Co, Westerdam, Rotterdam

POTASH SALTS—10 cs, A Gusimer Co, Britannic, Liverpool

PYRETHRUM FLOWERS—500 bgs, J Powell Co, Robin Sherwood, Mombasa
250 bgs, McLaughlin, Gormley & King Co, Robin Sherwood, Mombasa

QUEBRACHO EXTRACT—1,020 bgs, International Products Corp, Helvig, Buenos Aires
1,086 bgs, River Plate Import & Export Corp, Bowhill, Buenos Aires

QUICKSILVER—300 flasks, F W Berk Co, Agwiprincess, Tampico

QUINIDINE SULPHATE—18 cs, Guaranty Trust Co, Westerdam, Rotterdam

RUTILE SAND—6,000 bgs, Bank of New South Wales, Port St John, Brisbane

SEEDLAC—200 bgs, O G Innes Corp, Tarakan, Bangkok
134 bgs, P N Rowe Co, Tarakan, Bangkok
85 bgs, Barnett Co, Tarakan, Bangkok
200 bgs, Bradshaw-Praeger Co, Exhibitor, Calcutta

SENNA LEAVES—15 bls, R D Heins Co, Exhibitor, Port Sudan

SESAME OIL—11 cs, Nom Wah Co, Gertrude Maersk, Hong Kong

SESAME SEED—84 bgs, Archibald & Kendall Co, Steel Executive, Hong Kong

SHARKLIVER OIL—2 dms, Collett Week & Nibecker Co, Uruguay, Buenos Aires
15 dms, International Fisheries, Pioneer Wave, Yokohama
12 dms, Collett Week & Nibecker, Santa Isabel, Valparaiso

SPERM OIL—1,680 dms, Federal Supply Bureau, Wells City, Glasgow

TANKAGE—3,132 bgs, H J Baker & Bros, Helvig, Buenos Aires
500 bgs, Wessel, Duval & Co, Helvig, Montevideo
495 bgs, International Packers Commercial Corp, Scania, Buenos Aires
596 bgs, Woodward & Dickerson, Port St John, Lyttleton

TAPIOCA FLOUR—1,334 bgs, J Henry Schroder Banking Co, Mormaclark, Parnahyba

TARTARIC ACID—80 kgs, Saturnia, Genoa
45 dms, Hoegh Silvermoon, Basrah

TUCUM KERNELS—1,538 bgs, E F Drew & Co, Mormaclark, Parnahyba
1,538 bgs, Bank of London & S A, Mormaclark, Parnahyba
833 bgs, General Foods Corp, Mormaclark, Sao Luiz

TUNG OIL—129 tons, Arnhold & Co, Gertrude Maersk, Hong Kong

VEGETABLE WAX—10 cs, Innis, Speiden & Co, Pioneer Wave, Yokohama
30 cs, Innis Speiden Inc, Star of Suez, Yokohama

WATTLE BARK—1,105 bls, American Dyewood Co, Robin Sherwood, Durban
2,777 bls, Hammond & Carpenter Co, Robin Sherwood, Durban

EXTRACT — 583 bgs, Vermilye Corp, Robin Sherwood, Durban

WHITING—300 bgs, H J Baker & Bros, Britannic, Liverpool

WOLFRAM ORE—1,000 bgs, Chase National Bank, Steel Executive, Hong Kong
600 bgs, Phillipp Bros Co, Santa Isabel, Arica

WOOL GREASE—52 dms, Irving Boody Co, Black Eagle, Antwerp
46 dms, Davis Turner Co, American Chief, Manchester
345 dms, N I Malmstrom Co, American Chief, Manchester
38 dms, J J Gavin Co, American Traveler, Manchester
79 dms, Irving Trust Co, Port St John, Adelaide

Philadelphia

August 3 to August 11

ASBESTOS FIBER—214 bgs, Keasby & Mattison Co, American Builder, Manchester

BONE MEAL—4,864 bgs, Consolidated Chemical Industries, Horda, Bahia
227 tons, Consolidated Chemical Industries, Horda, Bahia

CRYOLITE—2,750 tons, Penna Salt Co, Orneborg, Ivigtut

FERTILIZER—264 bls, American Builder, Glasgow

FOOD COLORS—4 cs, Twitchell Co, Laura Maersk, Manila

MANGANESE ORE—3,500 tons, E J Lavino & Co, African Pilgrim, Duala

MINERAL SPERM, CRUDE—1 cs, Alex Murphy Co, American Clipper, Bremen

PALM OIL—Quantity in bulk, Bureau of Federal Supply, Tarakan, Deli

PETROLEUM, CRUDE—123,590 bbls, Atlantic Refining Co, Atlantic Mariner, Puerto La Cruz
124,343 bbls, Socony Vacuum Oil Corp, Mobilfuel, Covenas
125,468 bbls, Socony Vacuum Oil Corp, Camp Namanu, Puerto La Cruz
121,981 bbls, Gulf Oil Corp, Gulfstream, Puerto La Cruz
107,321 bbls, Gulf Oil Corp, Gulfglow, Las Peidras
119,174 bbls, Gulf Oil Corp, Gulflight, Puerto La Cruz
166,275 bbls, Socony Vacuum Oil Corp, Hampton Roads, Mena Al Ahmadi
134,835 bbls, Atlantic Refining Co, J W Van Dyke, Ras Tanura
120,729 bbls, Gulf Oil Corp, Gulfmeadows, Puerto La Cruz
114,617 bbls, Gulf Oil Corp, Gulfray, Mena Al Ahmadi
185,802 bbls, Gulf Oil Corp, Quwait, Mena Al Ahmadi
120,680 bbls, Gulf Oil Corp, Gulfswamp, Puerto La Cruz

WATTLE EXTRACT—4,627 bls, African Crescent, Durban
2,719 bls, River Plate Import & Export Corp, African Crescent, Durban
2,171 bls, Orson Sales Agency, African Crescent, Mombasa

YEAST, DRIED—2 cs, American Builder, Glasgow

San Francisco

August 3 to August 9

BONE MEAL—1,002 bgs, Dalerdyk, Antwerp

CINNAMON—85 bls, Volkart Bros, Hoegh Silverspray, Colombo

CLAY — 250 bgs, Papermakers Importing Co, Dalerdyk, Rotterdam

COBALT METAL—100 cks, African Metals Corp, Dalerdyk, Antwerp

COCONUT OIL—420 tons, Pacific Vegetable Oil Corp, President Harrison, Manila

CONDIMENTS—33 cs, E H David Co, Silverguava, Calcutta

COPAL GUM—65 bkts, Henry W Peabody Co, Silverguava, Singapore

COPRA—250 tons, Bank of California, Vingnes, Cebu
500 tons, El Dorado Oil Works, Hoegh Silverspray, Cebu
500 tons, Durkee Famous Foods Co, Hoegh Silverspray, Cebu

FISH OIL—237 dms, International Fisheries Inc, President Johnson, Hong Kong

FOOD SEASONING—207 ctns, D Berelson & Co, President Harrison, Manila

NUTMEGS—25 bgs, Davis S H Taylors & Sons Co, Dalerdyk, Cristobal

IRON OXIDE—25 bbls, Los Angles Chemical Co, Dalerdyk, Rotterdam

PEATMOSS—3,500 bls, Van Waters & Rodgers Inc, Dalerdyk, Rotterdam

SAGO FLOUR—109 bgs, National Starch Products Co, Silverguava, Singapore

SHARK LIVERS—225 tins, Nopco Chemical Co, Fleetwood, Yokohama
4 dms, Standard Fisheries Inc, Coastal Nomad, Corinto

SUMAC, GROUND—70 bgs, H M Newhall & Co, Dalerdyk, Rotterdam

TUNG OIL—125 dms, D Hecht & Co, President Harrison, Hong Kong
50 dms, Pacific Vegetable Oil Products Corp, President Harrison, Hong Kong

TURPENTINE—50 dms, Vokbyzek & Co, Coastal Nomad, Amapala

Italian Exports: May-June

Among commodities exported from Italy during the period May 19 to June 16 were the following items, received at the ports indicated:

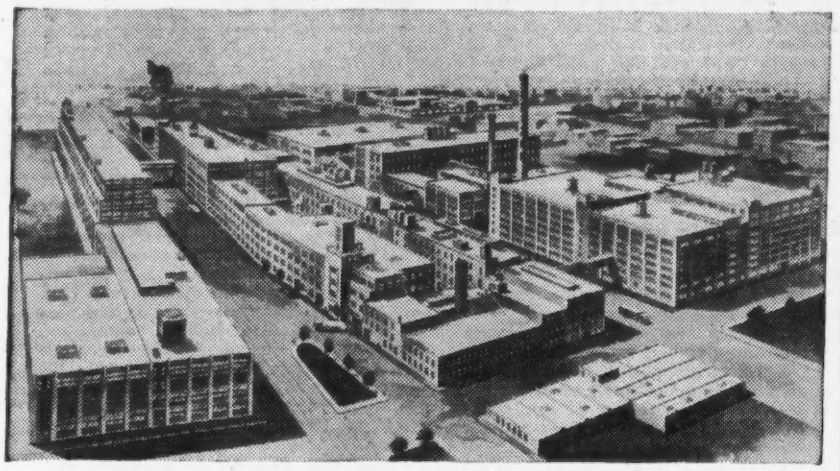
New York

Almond cake	case.	1
Althea rood	bags.	16
Belladonna leaves	bales.	39
Bergamot oil	half cases.	82
	quarter cases.	278
Chemical products	cases.	2
Copper oxide, red	barrel.	1
Cream of tartar	casks.	100
Essential oil	drums.	6
	half cases.	131
Ink	case.	1
Lemon oil	case.	1
	half cases.	40
	quarter cases.	1,331
Locust bean gum	bags.	1,090
Magnesium carbonate	cases.	100
Magnesium scraps	cases.	35
Majolicas	cases.	914
Malefern extract	cases.	3
Manna	cases.	20
Matches	cases.	2
Medicinal herbs	bales.	17
	bags.	4
	casks.	4
Olive oil	cases.	351
	drums.	1,008
Olive oil, sulphur	cases.	100
	drums.	179
	barrels.	248
Origano	bags.	18
Perfumes	cases.	2
Pumice	cases.	32
	bags.	17,115
Resin	cases.	5
Steatite blocks	cases.	110
	bales.	5
Talc	cases.	3
	bags.	13,365
Tanning extract	case.	1
	bags.	948
Tartaric acid	casks.	20
Zinc ore	cases.	7

Philadelphia

Fluorspar	tons.	537
Majolicas	cases.	159
Olive oil	cases.	865
	drums.	515
Pumice	bags.	1,100
Sumac leaves	bales.	200

Pfizer's Brooklyn Plant As It Looks Today



The Brooklyn, N. Y., plant of Chas. Pfizer & Co. has grown to its present size from a relatively small two-story building established in 1849. Currently the plant consists of thirty buildings, encompassing some 1,000,000 square feet of manufacturing space, and employs close to 2,000 persons. The facilities of this plant are augmented by the company's other plants in Groton, Conn., and Terre Haute, Ind.

Pfizer Celebrates

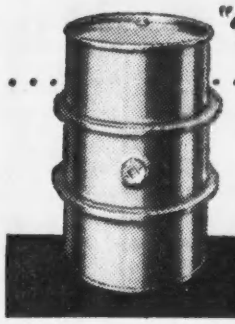
—Continued from page 5

were seeking a more effective method of combating wound infections, penicillin was brought to this country by two Oxford University scientists. With its extensive background in the production of fine chemicals by fermentation, it was natural that Pfizer should work on the large scale production of penicillin.

Although innumerable problems had to be overcome before the military service first received shipments of this life-saving antibiotic, Pfizer led in the production of penicillin from the start and today is still one of the leading producers of antibiotics.

As with penicillin, Pfizer went into large scale production of streptomycin and dihydrostreptomycin and is one of the world's largest producers. Currently, Pfizer is doing extensive testing of the new antibiotic, neomycin. While this new antimicrobial agent has only been tested on animals, the therapeutic results are encouraging. Work also continues on a number of other newly discovered antibiotics still in a laboratory stage of development.

Today, research is one of the most important phases of Pfizer's activity. Two special groups—biological and chemical research—work independently but with a common, coordinated goal. Since the overall objective is to find new or better ways to manufacture fine chemicals, the results are often combined in processes involving both fermentation and organic synthesis. The progress that has already been made in the search for new and more effective antibiotics leads to the hope that means will eventually be found to combat most of the diseases which attack man. Whatever future progress is achieved in this work, or in the field of nutrition will undoubtedly be shared by Pfizer, due to their background of large scale production experience teamed with a progressive research program.



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- **ESTAX 28** (Amino oleate) as cement additive is being used for granite cements.
- Watford's **SELF-EMULSIFYING PALMITYL ALCOHOL** on sulphonation produces high detergency wetting agents.
- **PROMULSIN WAX** (Polyolester) has become a useful ointment base.
- **STABALIN** Preservatives and Antioxidants are estimated last year to have saved large numbers of products from suffering decline of sales through spoilage by bacteria or oxidation.
- **PROVISCOL & P.M. POWDER** have stabilised last year an estimated 4,000 Million portions of ice cream. They will stabilise any other dairy products.
- **A NEW "KISSPROOF" LIPSTICK:** Using "Estex B", a butadiene forming ester, as carrier for Bromo-Acid Lipsticks and lippencils can be almost completely made to be "fixed" on the outer layers of the skin.

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Gen. Aniline Names Stevens To Market Development Post

General Aniline & Film Corporation, New York, has transferred Dr. Chapin E. Stevens to its central sales development department at Easton, Pa., and has assigned him to develop markets for its new surface active agents. Dr. Stevens was formerly engaged in research on surface active agents for six years at the company's central research laboratory.

ECA Announces Additional

—Continued from page 4

per and copper products, and decreases of $600,000 for tallow and other animal fats and oils, $610,000 for crude oil and petroleum products, $200,000 for nonmetallic minerals and products except petroleum, and $950,000 for copper and copper products from previous allocations from the United States and possessions; a decrease of $729,000 from a previous allocation for chemicals and chemical preparations except fertilizers, fertilizer materials and synthetic rubber from Latin America; a decrease of $236,000 for medicinal and pharmaceutical preparations from Argentina, and a decrease of $134,000 from a previous allocation for metallic ores and concentrates from Canada.

To Denmark—$2,000,000 for copper and copper products, and $325,000 for zinc, zinc base alloys and zinc products from the United States and possessions, and a decrease of $3,000 in a previous allocation for lead, lead base alloys and their products from Mexico.

To France—$324,000 for zinc, zinc base alloys and zinc products, $150,000 for nickel, nickel base alloys and nickel products, $40,000 for miscellaneous industrial nonferrous metals and their products, except beryllium, thorium or their products, and a decrease of $152,000 in a previous allocation for soybeans, all from the United States and possessions; $405,000 for zinc, zinc base alloys and zinc products from Canada; $324,000 for zinc, zinc base alloys and zinc products, and $30,000 for essential oils from Latin America, and a decrease of $158,000 in a previous allocation for nickel, nickel base alloys and nickel products from Norway.

To French North Africa—$100,000 for zinc, zinc base alloys and zinc products from the United States and possessions; $70,000 for crude oil and petroleum products from Latin America and Curacao, and a decrease of $160,000 in a previous allocation for nonmetallic minerals, except petroleum, from Canada.

To French Zone Germany—$214,000 for chemicals and chemical preparations, excluding fertilizers, fertilizer materials and synthetic rubber, $1,000 for medicinal and pharmaceutical preparations from the United States; decreases of $95,000 for naval stores, $100,000 for alcohols, and $7,000 for medicinal and pharmaceutical preparations from previous allocations from the United States and possessions; a decrease of $560,000 from a previous allocation for copper and copper products from Latin America, and a decrease of $90,000 from a previous allocation for nonmetallic minerals except petroleum from the western hemisphere other than the United States, Canada and Newfoundland.

To Greece—$300,000 for chemicals and chemical preparations, excluding fertilizers, fertilizer materials and synthetic rubber, $200,000 for medicinal and pharmaceutical preparations, $100,000 for industrial chemicals other than alcohol, and $100,000 for nonmetallic minerals other than petroleum, all from the United States and possessions.

To Iceland—$76,000 for soy bean oil from the United States and possessions.

To Italy—$3,000,000 for copper and copper products, $1,644,000 for lard, and a decrease of $1,644,000 from a previous allocation for lard, all from the United States and possessions.

To Korea—$60,000 for nonmetallic minerals except petroleum, $17,000 for miscellaneous industrial nonferrous metals and their products, excluding beryllium, thorium and their products, $35,000 for industrial chemicals other than alcohol, and $10,000 for zinc, zinc base alloys and zinc products from the United States and possessions, $1,875,000 for potash fertilizer from France, the Soviet Zone of Germany, Bizone Germany and Spain.

To Netherlands—$100,000 for gum turpentine, $95,000 for vegetable tallow and waxes, except soap stock, $1,000 for capsul gelatin, $2,120,000 for copper and copper products, and $15,000 for aluminum, aluminum base alloys and aluminum products, all from the United States and possessions; $600,000 for copper and copper products and $498,000 for aluminum, aluminum base alloys and aluminum products from Canada; $700,000 for nonferrous ores and concentrates except berryllium ore and monazite sand, and a decrease of $30,000 in a previous allocation for lead and lead base alloys and their products, from Latin America.

To Norway—$1,600,000 for nonferrous ores and concentrates, except beryllium ore and monazite sand from Canada; $500,000 for copper and copper products from the United States and possessions, and $426,000 for the same products from Latin America.

To Sweden—$1,415,000 for nonmetallic minerals except petroleum, $220,000 for miscellaneous industrial nonferrous metals and their products, except berryllium, thorium and their products, $36,000 for copper and copper products, and a decrease of $110,000 in a previous allocation for metallic ores and concentrates, except beryllium ore and monazite sand, all from the United States and possessions, and $810,000 for aluminum, aluminum base alloys and aluminum products, $360,000 for nickel, nickel base alloys and nickel products, and $67,000 for nonferrous ores and concentrates, except berryllium ore and monazite sand, all from Canada.

To Turkey—$150,000 for crude oil and petroleum products from the United States and possessions, and $2,250,000 for similar products from Saudi Aragia, Bahrein, Kuwait, Iraq, Iran and Israel.

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Boston Distribution Forum Scheduled on October 10-11

The twenty-first Boston Conference on Distribution will be held at the Statler hotel, Boston, Mass., on October 10 and 11. Among the speakers scheduled to address the conference, and their subjects, are:—

Morris S. Rosenthal, president of Stein, Hall & Co., and Philip Cortney, president of Coty's, Inc., "Will the Havana Charter Help World Trade?"; Emil Schram, president of the New York Stock Exchange, "Wall Street is Main Street"; Lemuel R. Boulware, vice-president of General Electric Company, "The Free Market's First Job—Survival"; Dean Rusk, Under Secretary of State, "The Stake of Business in American Foreign Policy."

Admiral E. D. Foster, chief of the bureau of supplies and accounts of the navy, "Coordinating the Supply-Distribution Systems of the Three Military Services"; Hazel R. Ferguson, public relations counsel, "Public Relations in Distribution"; James D. Shouse, president of Crosley Broadcasting Corporation, "Certain Social and Economic Implications of Television"; N. H. Engle, director of the bureau of business research, College of Business Administration, University of Washington, "The Western States as a Market."

Sir Herbert Broadley, deputy director-general of the United Nations Food and Agriculture Organization, "Untangling the Snags in World Food Distribution"; Prof. Harry L. Hansen, Harvard Business School, "Maintaining Competition in Marketing"; Norman W. Foy, general manager of sales, Republic Steel Corporation, "The Changing Pattern of Steel Distribution"; Dr. Charles F. Phillips, president of Bates College, "The High Cost of Living for Business"; Prof. Delbert J. Duncan, Cornell University, "Effecting Higher Productivity in Retailing," and Elmo Roper, marketing researcher, "Marketing Research—Postwar."

Heller Changes Name

C. A. Heller Company, dealer and exporter of petroleum products, waxes and chemicals, New York, has changed its name to the Heller Petroleum Corporation. The firm's address remains 52 Vanderbilt avenue, New York 17, and its telephone number continues to be LExington 2-6993.

Monsanto Names Smith To Organic Div. Post

Monsanto Chemical Company, St. Louis, Mo., has appointed Tom K. Smith jr. manager of plasticizers and resins sales in its organic division, to succeed Seth U. Shorey, who has been appointed sales manager for organic and phosphate division products for the Merrimac Division.

Mr. Smith, who has been assistant branch manager of the company's phosphate division in charge of the Cincinnati branch of the division's Cleveland office since December, 1947, will assume his new duties on October 1.

Keady Leaves U. S. Gypsum

William L. Keady, president of the United States Gypsum Company, resigned that post on August 10 and reported that Sewell L. Avery, chairman of the board, will resume active direction of the company's management. Mr. Keady had been with the company for twenty-five years and had served successively as purchasing agent, vice-president in charge of operations and vice-president in charge of sales before being elected president.

Cottonseed Loan Program Details Reported by PMA

Details of the cottonseed loan program, through which the Commodity Credit Corporation will support the price of 1949 crop cottonseed at 90 percent of August 1 parity price of $55 per ton, were reported last week by the Production and Marketing Administration.

Loans will be made at the rate of $49.50 per ton on clean, safely-stored cottonseed having a moisture content of 10 percent or less, Nonrecourse loans, secured by chattel mortgages on the seed, will be made to farmers on cottonseed stored in structures on or off the farm. The loans will be made through December 31, 1949, payable on demand, and will mature not later than August 30, 1950.

In addition, the program will be implemented by loans to farmers up to 85 percent of the cost of acquiring or constructing farm storage facilities for cottonseed. Loans on storage facilities will be made for a period not to exceed five years and will bear 4 percent interest per year.

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BOTANICAL DRUGS • MEDICINAL CHEMICALS • ESSENTIAL OILS • AROMATIC CHEMICALS

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Prices of medicinal botanicals continued to be readjusted downward to make spot quotations more accurately reflect crop prospects, new crop-costs, rather substantial inventories, light demand from consumers, and the presence of more than a dash of competition between most all suppliers. Condimental items continued to run a rather high fever, a fever that was fanned more by speculative activity than by demand from actual consuming sources. The market index dropped 1.5 points and at 176.2 compared with 199.2 prevailing a year previous when the index did not change.

Trade in medicinal botanicals was about that normally to be expected at this stage of the Summer but the bothersome factor was the uncertainty respecting Fall activity by manufacturing consumers. One thing was sure. Dealers who distribute to manufacturers won't carry long stocks of botanical drugs against tne mere chance that their customers possibly may, or perhaps will come into the market for larger quantities than has been their practice since the end of the war. This means that primary market collectors go easy in building inventories much higher than conservatively foreseen needs dictate.

It is for that reason that manufacturing consumers are being urged to make known their needs that their suppliers may cover the same now when there is practically nothing to cause price advances. A year ago, numerous consumers were caught so short of stocks that collectors had to offer what amounted to ransom prices to stir diggers to activity. Mandrake root was a good example. So was lobelia. It remains to be seen if a wiser purchase policy may not this year permit consumers to cover at fair, stable prices and at levels yielding a satisfactory, encouraging profit to digger, collector, and dealer alike.

Balsams

Copaiba—The market was reduced no further in price but it was given but limited support by buyers and, therefore, conditions remained favorable for those desiring to trade in quantities.

Fir—Canadian balsam remained firm at the recent reduction to $32 per gallon, which was in line with replacement cost and the ability of dealers to replace in the primary market.

Barks

Buckthorn—Revaluation of spot inventories made natural bark a lower priced item, the market ending the past week at 14c. to 16c. per pound, depending on dealer.

Butternut—More competition was current in a very slow market and the local quotations dropped to 19c. to 25c. per pound, named over the range according to seller.

Canella—Alba bark was in good supply at lower costs and the spot quotations to consumers were down to 25c. to 30c. per pound.

Cocillana—The usual easing of prices during the Summer months was in evidence and during the past week spot quotations were noted lower on the basis of 16c. to 17c. per pound.

Cottonroot — Stocks could be replenished to buyers' advantage last week when offerings came on the spot market at 28c. to 30c. per pound.

White Pine—Country prices have been easy, lower, and weak. Spot quotations yielded ground last week in reaching 13c. to 20c. per pound for rossed material.

Wild Cherry—Thin natural bark was lower at 13½c. to 16c. per pound. Other forms of cherry bark were easy but lacking in change.

Beans

Vanilla—The vanilla bean situation, as seen by a prominent local importer of that material, was reported as follows:—"Recent efforts of United States vanilla bean importers to purchase Bourbons in France at the prices quoted a few weeks ago did not find any sellers despite the recent arrival of about 150,000 pounds of Bourbons at Marseilles. The prices prevailing were too low for the shippers and the arrival can be bought only at considerably higher price levels.

"Despite the comfortable stocks position, most vanilla bean dealers in this country are anxious to add to their holdings but find it very difficult not alone to find the right type of beans but they also find that the larger and better curers in Madagascar refuse to sell at present. No offers have been received from Madagascar for several weeks.

"American manufacturers have shown little activity recently. Most of them appeared to be awaiting the results of market developments during the weeks immediately ahead."

Berries

Cubeb—The market was steadier following the price decline reported during the previous trading period and although demand was still reaching the spot without regularity, sellers were not disposed to shade prices further.

Sumac—The new crop collected in the southern states was just forming but it was not thought that collections would amount to much. Demand for the article has sunken greatly in the past several years. Prices were easy at 12c. to 13c. per pound.

Flowers

Chamomile — More trouble with the quality of arriving merchandise was encountered lately when detention of 86 cases was ordered by the Food and Drug Administration. Notice of the detention did not relate whether the flowers were Hungarian, Hungarian type, or Roman varieties.

Linden—No further price recession was

Market Trends

Prices Advanced

Drugs

None

Other Articles

Allspice, Mexican, ¾c. per lb.
Cassia, Canton rolls, select, broken, ¼c. per lb.
Honan rolls, scraped, 1c. per lb.
broken, 1c. per lb.
Saigon, all medium, 1c. per lb.
Yunnan rolls, scraped, 1c. per lb.
broken, 1c. per lb.
Celery seed, French, 1½c. per lb.
Indian, 1c. per lb.
Coriander seed, Morocco, 1c. per lb.
Ginger, African, 2c. per lb.
Jamaica, No. 1, 5c. per lb.
No. 2, 7c. per lb.
No. 3, 6c. per lb.
Rhattoon, 5½c. per lb.
Mace, Amboyna, 2c. per lb.
Mustard seed, Montana, brown, ¼c. per lb.
Paprika, Portuguese, 1c. per lb.
Poppy, Dutch, ½c. per lb.

Prices Reduced

Drugs

Aconite leaves, 5c. per lb.
Agrimony herb, 5c. per lb.
Buckthorn bark, 2c. per lb.
Butternut bark, 1c. per lb.
Canella bark, 3c. per lb.
Cinchona bark, red, broken, 5c. per lb.
Cocillana bark, 2c. per lb.
Coltsfoot leaves, 3c. per lb.
Condurango bark, 2c. per lb.
Cottonroot bark, 2c. per lb.
Damiana leaves, 5c. per lb.
Elecampane root, 3c. per lb.
Eucalyptus leaves, 1c. per lb.
Grindelia robusta herb, 1c. per lb.
Henbane leaves, 2c. per lb.
Hyssop herb, 10c. per lb.
Liverwort leaves, 10c. per lb.
Lobelia leaves, 5c. per lb.
Orris root, 2c. per lb.
Senega root, 10c. per lb.
Skunk cabbage root, 5c. per lb.
Stramonium leaves, 1c. per lb.
White pine bark, rossed, 3c. per lb.
Wild cherry bark, thin, natural, 1½c. per lb.

Other Articles

Cinnamon, No. 2 Ceylon, 1c. per lb.
Cumin seed, Morocco, 1c. per lb.
Persian, 1c. per lb.
Syrian, 1c. per lb.
Nutmegs, E. I., futures, 1c. per lb.
Poppy seed, Dutch, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
176.2	177.7	181.5	199.2

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended August 5

Caraway seeds, 38 bags: filthy.
Cassia, 1,158 bales: insect infested.
Cassia oil, 8 drums: not USP.
Celery seed, 25 bags: live and dead insects.
Chamomile flowers, 86 cases: live and dead insects.
Chilli pepper, 6 bags: live and dead insects.
Cumin seed, 403 bags: live and dead insects.
Kola nuts, 162 bags: live insects and insect bored.
Moss, 40 bales: filthy.
Nutmegs, 619 bags: moldy; wormy: live insects.
Pepper, black, 1,373 bags: live and dead insects; moldy and insect bored.
red, crushed, 250 bags: filthy.
Rhubarb root, 32 cases: live and dead insects.

Baltimore

Cassia, 14 bales: wet and moldy (damaged bags).

For Late Market Developments, See Page 4

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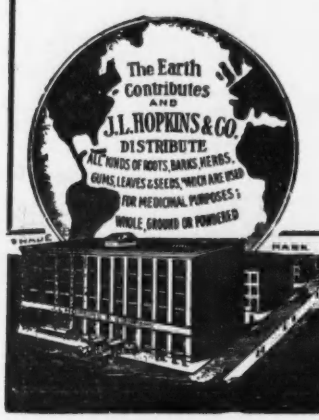
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noted in this market and on the whole steady undertones prevailed irrespective of the limited consuming demand reaching the spot at this time.

Malva — The supply was moderate in size. New crop replacements have not been reported in arrivals but it was felt that new collections would sell at lower prices this year in the foreign market.

Gums

Aloe—Cape gum was steadier and quarters recently shading prices were not disposed to accept bids at less than 23c. per pound during the past week. Curacao gum remained virtually firm at 35c. per pound, a price in line with replacement costs.

Benzoin—Demand against late Fall and early Winter requirements was expected to reappear shortly on the market—possible right after Labor Day. Prices were reported steady and in line with cables recently received from the origin.

Galbanum—The market was slightly more competitive but desire for business did not extent to the point of bringing open reductions in spot quotations during the past week.

Gamboge—Within moderate limits, it was a buyers' market in this item and under competitive circumstances stemming from attractive orders, a further shading of the market would not surprise.

Herbs and Leaves

Aconite—The spot position of some sellers was more favorable and by the close of last week offerings were made at the lower price of 50c. to 55c. per pound.

Coltsfoot—Some have been able to replace to better advantage and in such directions a lower price at 30c. to 35c. per pound according to quantity was in effect late last week.

Damiana—Under competition local quotations were pressed downward to the basis of 40c. to 45c. per pound last week and demand thereat was not very active.

Henbane—The market trend for some time past had been downward and during the past week quotations were reduced further to the basis of 28c. to 35c. per pound, prevailing as to seller.

Liverwort—Revaluations made at inventory time have made spot offerings possible on the basis of 75c. to 80c. per pound.

Lobelia—Herb had been weakening in recent weeks and leaves followed suit during the past trading period when spot offerings developed on the basis of 75c. to 80c. per pound as to quantity.

Sage—Replacement cost on Dalmatian material was much higher and spot goods at less than 28c. to 29c. per pound were virtually unobtainable. A strong undercurrent flowed locally.

Stramonium—Spot leaves were down to the basis of 19c. to 20c. per pound under the influence of a broader competition between local suppliers whose inventories were fairly substantial.

Miscellaneous

Ergot—Though unchanged in price, this article seemed to be about nominal.

At least, any quotations noted at this time would be subject to confirmation when firm orders were in hand. Furthermore, those with the limited stock available on spot were disposed to examine every order closely to the end that no sale out of spot supplies should put ergot into any other than actual consumers' possession. Signs of European sellers attempting to buy New York stocks have not been lacking of late.

Grains of Paradise—The market was virtually nominal. Normal quarters that usually named lowest prices had nothing to offer and in other directions at least 38c. was the idea of value at this time.

Irish Moss—Agents for foreign shippers indicate a high-running demand for replacement parcels, especially from France. But French collectors find labor a problem and not a great deal of moss reaches the shippers at this time. Practically every parcel of satisfactory quality moss had two buyers waiting it here.

Roots

Blood—Prices were unchanged but trading was at a standstill and in some respects it was a strictly nominal spot and primary market. In the country, somewhat steadier prices seemed under development.

Elecampane — The spot market was down to the basis of 22c to 25c. per pound and even at the more favorable quotation affairs were very dull throughout the past week. Competition would be keen.

Giuseng—With the China market becoming more and more difficult because of the uncertainty of trade under the upheaval accompanying the communist army

successes, opportunity to sell normal quantities of this article on export account have decreased. Considering the state of affairs, prices were surprisingly steady.

Goldenseal — Country buyers have stopped shaving their buying prices and a fairly substantial situation prevailed on last report. Export outlets were few and always small and until normal outmovement is possible, recovery of this item was likely to pose difficult problems to collectors and dealers alike.

Mandrake—Though spot quotations remained at 33c. to 35c. per pound, it seemed not improbable that the position could be shaded without too much trouble considering what has been paid for new collections in the primary market. Come the Fall, all operators expect that manufacturing consumers will replenish stocks.

Orris—Replacements have been bought to considerable advantage at times in the recent past and spot quotations at the lower level of 20c. to 25c. per pound for Florentine and 16c. to 23c. for the Verona root were none too steady late last week.

Rhubarb — Little has been offered for assured shipment from the origin and the spot stock in dwindling in size tended to become more valuable. The tighter the situation, the stronger did prices strain toward higher spot levels. In fact, late last week it was well to consider all open quotations strictly nominal and subject to confirmation.

Senega—Spot quotations were down to the basis of $1.20 to $1.30 per pound last week. The price decline has been long extended this year; it began early last Spring when the primary market began to feel buyers out, later to tempt them with lower prices that continued to decline even until the movement reported last week.

Skunk Cabbage — New crop root was being bought at lower cost to the collectors. Ability to replace at declining prices at the origin tended to make spot dealers shade the market. It ended the past week lower at 30c. to 35c. per pound.

Valerian—The spot position was tight when it came to Belgian root available for immediate delivery. However, one cheering fact was the news that Antwerp shippers who had recently virtually defaulted on contract engagements with this market notified their local principals that at least 50 percent of the engagement would be met. Need of shorts to cover abroad, plus demand from Germany, has created a strong situation but partially reflected in the present spot quotation of 45c. to 50c. per pound.

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Seeds

Cardamom — The market remained strong in price and position but it seemed as though it had lost its capacity to advance Spot stocks were negligible in size and held in firm hands.

Celery—The market has worked higher. French seed rose to 28c. to 28½c. per pound and the Indian seed on spot was at least 24½c. to 25c. Future deliveries on a duty paid basis were at least 25c. to 25½c. following the further rise at the origin.

Coriander—The spot was almost totally bare of unsold stocks in the hands of importers and at 8c. to 8½c. per pound Moroccan was a nominal item.

Cumin—Greater availability of the article on spot led to further price declines. At the end of the past week, Iranian seed and that from Syria were both available at 21c. to 21½c. per pound.

Mustard — The only change in price came in Montana brown seed, which item was raised to 6c. to 6½c. per pound last week.

Poppy—Dutch seed was a fraction lower at 17½c. to 18c. per pound but the produce of Poland was raised to 15c. to 15½c. Demand was routine and mainly for needs of the immediate future.

Spices

Allspice—Mexican material was raised to 18¼c. to 18½c. per pound on curtailment of the amount of goods available on spot and as a reflection of the present shipment quotations from the origin.

Cassia—Selected Canton rolls in broken form were higher at 9¼c. to 9½c. per pound. All medium Saigon was raised to 35c. to 36c. Honan and Yunnan material continued to show much of the strength that featured trade a week previous. The rise was extended and late last week Honan and Yunnan scraped rolls were up to 14c. to 15c. per pound while either variety in broken form was held at 13c. to 14c.

Cinnamon—Ceylon No. 2 was reduced to 16c. to 17c. per pound.

Clove — The market was increasingly strong on spot, a situation backed fully by conditions at the origins. Spot Zanzibar spice was up to 27c. to 28c. per pound; Madagascar, 21c. to 21½c.; futures, around 19c.

Ginger—African root shot up to 43c. to 45c. per pound and was hard to come by at a late hour last week. Jamaica was unobtainable at the origin and won't appear there until another crop around the turn of the year. The limited and isolated spot lots of Jamaica root were nominally priced at higher levels, as follows:—No. 1, 45c. to 45½c. per pound; No. 2, 43c. to 43½c.; No. 3, 41c. to 41½c.; Rhattoon, nominal following sales at 39½c.

Mace—Amboyna mace now available on spot was quoted at 75c. to 75½c. per pound. Other varieties lacked quotable change but were firm.

Pepper—The advance came to a pause, if not actually to a stop or end. Spot black pepper was quoted at $1.40 per pound and anything afloat or reasonably nearby could also command that price. March shipment was reported at $1.06 and sold at $1.10 in the London market. White pepper, spot or even due in early September, was priced at $1.70.

Some quarters felt that the present situation will continue, either as an actuality or as a possibility to be encountered again, until the Netherlands East Indies private trade in pepper is restored.

There seemed not to be enough pepper to go around—allowing for speculating trading involving one lot in numerous transactions. However, the fact that New York operators now show a disposition to withdraw from action in the article may be the forerunner of a change which may develop once a large short interest has covered in the Far East.

Los Angeles Botanical Market

Los Angeles, Aug. 11.—No activity was reported in either the botanical drugs or spice market last week. Nominal price quotations were reported for black and white pepper of $1.14 and $1.53 respectively. Other quotations were:—Belladona leaf, $1 per pound. Marjoram, French type, 37c. to 40c. per pound. Sage, Dalmatian type, 23.5c. per pound for lots containing less than one percent stems. Savory, French type, 21c. per pound. Savory, summer, 20c. per pound. Sweet Basil, nominal at 95c. per pound for lots containing less than one percent stems. Thyme, French type, nominal at 22.5c. per pound.

J.L. Hopkins Elects Sartorius Sales Head

J. L. Hopkins & Co., importer, exporter and miller of crude drugs, New York, elected Robert Sartorius sales manager at a recent meeting of its board of directors. Mr. Sartorius is the grandson of the late Jesse L. Hopkins, founder of the company.

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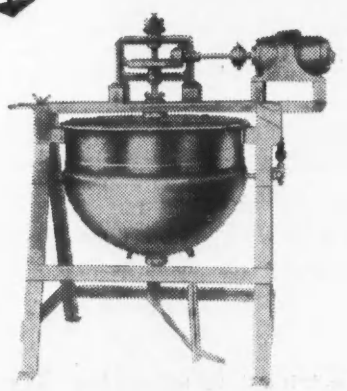
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Essential Oils, Other Aromatics

Higher quotations on clove, Bourbon geranium and Italian mandarin oils vied with price reductions on dillweed and lavender flower oils to the end that the market index rose 1.5 points to 109.9 in comparison with 115.5 prevailing a year ago when it was unchanged.

The higher quotations on spot were in line with advances in replacement costs at the several primary markets. The declines stemmed from local competition the more active because of the generally moderate demand for practically all products.

Some concern was felt with respect to Fall business. Those closely identified with the sale of toiletries to distributors and ultimate consumers last week took notice once more of the high excise taxes still in force despite the alleged fact that they had been imposed in the first place to curb consumer buying because of inventory scarcities. Essential oil dealers and perfumers as well as cosmeticians said last week that the taxes were still curbing consumers' purchases despite the fact that plentiful stocks of manufactured goods are possible now, especially since practically all raw materials are at very low price levels. Twenty-four national sales organizations addressed President Truman via paid advertisements in the public press, urging him to press Congress to revoke the high excise taxes now.

Essential oil dealers even now should be receiving a flow of raw material orders for merchandise to be manufactured into finished products for the holiday trade. Some gain in such selling has taken place but its improvement has been slow and conservative.

Prices have already worked so low that they reach still lower levels usually at a loss to sellers. Hence, most quotations were subject to maintenance on a fairly firm basis and should high excise taxes be removed and if demand for finished products should react on sales of raw materials and restore volume sales to essential oil dealers, much needed price improvement would bring about a better feeling among those who supply raw materials.

Market Trends

Prices Advanced

Clove oil, ex Madagascar buds, 20c. per lb.
ex Zanzibar buds, 20c. per lb.
Geranium oil, Bourbon, 50c. per lb.
Mandarin oil, Italian, 5c. per lb.

Prices Reduced

Dillweed oil, 60c. per lb.
Lavender flower oil, 30-32%, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
109.0	107.5	102.5	115.5

(*For Current Prices see Page 9*)

Essential Oils

Angelica—The need was small and requirements were readily supplied out of spot holdings which, however, were not spread widely through the spot market; numerous dealers no longer stocked the material. Prices remained generally steady.

Anise — The spot market merely remained steady to firm. Little or no change in demand, supply and price took place locally and it appeared that, pending definite change in the primary market, local consumption and values would hold well.

Bay—Demand was routine in all respects and replacement as well as spot quotations retained a steady, unchanged position as the result of a movement of fairly satisfactory size.

Bergamot—Some quarters continued to advance quotations on this article and the top of the price range became $4.65 per pound by the close of last week, when the seller thereat adjusted quotations to align with replacement prices. Other dealers took a firmer five on the market but retained $4.35 as the minimum of market quotations. The market was firmer everywhere.

Bois de Rose—Replacement costs facing some suppliers compelled a price advance to $3.30 per pound in such directions. Other quarters still named spot deliveries at $2.75 but admitted market undertones to have gained strength as possible forerunners of a further rise in minimum prices for spot goods. The source displayed considerable strength in support of the local position.

Cedarwood—The market was unsettled in undertone and although open quotations remained at 34c. per pound in drums, it was intimated that around 30c. might be done on an attractive order—a type of demand not current during the past week, according to many.

Cajeput — Though the market was not very active except in jobbing quantities, prices were maintained steadily and showed no signs of pending change in that aspect of affairs.

Cardamom—The raw material was still strong and tending higher as spot stocks diminished and replacement offerings were moderate in number and usually upward as to prices proposed. A fair inquiry from food processors aided in developing strength.

Cassia—Moderate spot stocks were maintained in firm price position as sellers continued to await further developments in China, where conditions seemed basically adverse but, also, where the unexpected most often happens. Those who expect the Chinese to do business "as usual" may be surprised if and when the communists take over Canton and its hinterland from whence comes this oil. And Hong Kong, the shipment port, may fall, too, an event not apt to encourage business as usual.

Celery—Prices on raw material went into an upward surge without affecting spot quotations on oil immediately. However, a steadier to firmer undertone appeared in development and a broader demand from food processors could well bring a price advance.

Citronella—All prices were firmer and, in some quarters, were higher. Genuine Java and Java-style oil were specially mentioned as items of considerable strength, based on replacement costs and market conditions. Ceylon oil was in its usually firm position and received a fair if not expanded demand.

Clove—Real strength was behind this oil and it was a strength as great in Zanzibar as in Madagascar, primary market points where spice was in limited supply and in strong hands. Prices on foreign oil were also strong and those named on oil produced in this country had an upward tendency that was in sympathy with the situation in raw material abroad. Late last week prices were higher on spot. Oil from Madagascar buds was up to $1.45 to $1.75 per pound as to seller; from Zanzibar buds, $1.80 to $2.15.

Costus—The few spot holders of oil held very firm price views despite the not especially active demand from consuming sources. Prices were very firm in quarters with spot goods and the market was called $30 per pound in most directions.

Dillweed—One of the larger spot dealers in this oil reduced quotations to a minimum basis of $6.75 per pound during the past week and others who quoted the article were inclined to revise their price opinions downward in parallel with new crop expectations. The season of largest consumption was directly ahead.

Eucalyptus—Plentiful stocks and not too plentiful consuming demand was reported on the spot and although quotations lacked quotable change, they appeared to be easier and subject to considerable competition between the local suppliers.

Geranium—Bourbon oil continued to rise in price and the market at the close of last week was minimum at $12.50 per pound. The range was to $13 and all sellers were reserved regardless of price, mainly because of limited spot stocks and lack of good sized offerings at attractive prices from the primary market. Algerian oil was in similar position but lacked change in price.

Ginger—The market was very strong. Since stocks of raw material at the origins has been about exhausted, distillers in this market will have to depend on present spot supplies at least until the turn of the year. Much higher oil prices were a reasonable expectation and all sellers on spot showed great reserve.

Grapefruit—The market was one of routine activity through last week, but it was also steady and well maintained as to price.

Lavender — Considerable competition prevailed on spot regardless of the rather firm position of the oil in France. Local offerings at 30-32 percent oil were made as low as $2.20 per pound, though it ranged to $3.10 as to dealer.

Lemon—Some slowing down in demand for prompt delivery parcels was reported in a few quarters last week. It was a development more or less normal to the market because inventories of numerous consumers were expected to care for manufacturing needs during the balance of the Summer and into early Fall. Prices re-

For Late Market Developments, See Page 4

mained generally steady in the midst of little competition.

Lemongrass—The more swiftly moving undercurrent tended to raise the price mark of this article; it succeeded in a few quarters. Replacement costs showed no easing in any market.

Lime—The spot price position tended to sway a bit more than it had in the previous week. At least, quotations were less rigid than they were when high demand revealed low supply on spot and confirmed the origin's inability to ship at that time. New crops will be coming along and a change of values in favor of buyers would surprise no one.

Mandarin—The spot market continued to climb in reflection of the strength developed in citrous oils abroad. Local quotations on Italian oil became $8.95 to $9.75 per pound.

Ocotea Cymbarum—Few dealers were disposed to replace the article at current quotations named at the origin, this for the reason that competing oils could be had liberally at a cost much less than the Brazilian quotations on ocotea cymbarum.

Orange—Though demand did not press quite so actively, it was still more than sufficient to make for the maintenance of spot quotations in steady fashion. The main consuming season of the year has rarely had so much good quality oil available at such low prices and said prices seemed likely to extend well into the Fall period without change.

Peppermint—Most changes in spot prices had a flavor suggesting the idea that primary market producers could be influenced as to prices they ask by what may be quoted here. However, the main influence on producers' quotations will be the quantity of oil produced and the price that chewing gum manufacturers will pay for the 1949 crop now in the process of distillation.

Sage—Dalmatian material was as high as $3.15 per pound following a price rise on spot but the minimum remained at $2.75. Raw material was considerably higher and stronger during the past fortnight and higher prices have been paid for spot deliveries.

Snakeroot—The raw material has been downward in trend in the primary market and it appeared probable that the 1949 crop of oil would be made from cheaper root. Little demand tended to ease slightly the spot position of this material.

Spearmint—Prices remained in statu quo pending marketing of the 1949 crop which is now being made. The size of the crop was still uncertain and conditions favored smaller rather than larger quan-

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tities than those many had hoped for or expected.

Aromatic Chemicals

Anethol — Still holding potentially stronger in keeping with possible rise in raw material prices if shipments should decrease as the communist armies approach Canton, China.

Geraniol—A much firmer market developed in keeping with strength obvious in the cost of raw material in recent weeks. Demand was also a strengthening factor in the value of this synthetic aromatic.

Linalyl Acetate—Raw material from Brazil continued to strengthen and some dealers set new high prices on the article during the past week. Linalyl acetate tended higher but last week it was merely stronger and under larger inquiry.

Methyl Anthranilate — Demand was rather conservative and mainly for immediate requirements of a moderate number of manufacturing consumers. Prices were steady to firm but, also, inert.

Methyl Eugenol—This article was firmer in response to the stronger position developed in basic raw material. Demand remained routine in size and source.

Phenylpropyl Alcohol — Demand was fairly steady. Consumers covered their requirements steadily and acted to the support of recently prevailing prices. Competition was moderate last week.

Trade Briefs

Dyes production in France during the first quarter of 1949 averaged 1,410 metric tons monthly.

Hughes Spalding has been elected a director of the Coca-Cola Company. He is also a director of the Coca-Cola International Corporation.

Toilet preparations exported from the United Kingdom during March of this year were valued at £433,747, compared with £240,260 in the corresponding month of 1948.

Clyde Iron Works and the Clydebridge Steel Works of Colvilles, Ltd., Scotland, plan to duplicate their present battery of coke ovens and to expand their byproducts plant to treat additional quantities of tar, benzene, ammonium sulphate and other materials.

Chemical Workers Weekly Earnings Increased in May

Weekly earnings of factory workers in chemical and related fields showed an increase in May as compared with April. A breakdown of the weekly earnings for the chemical and allied industries follows:—

	Weekly		
	May 1949	April 1949	March 1949
Chemical and allied products	$58.08	$56.90	$57.25
Ammunition	53.39	44.02	49.50
Chemicals	64.42	64.13	64.13
Cottonseed oil	41.17	39.99	41.87
Drugs, medicines, insecticides	52.53	51.77	52.38
Explosives, safety fuses	61.94	59.25	59.56
Fertilizers	41.40	39.28	38.94
Paints and varnishes	58.90	59.27	58.15
Petroleum and refining	74.63	74.25	74.34
Rayon, allied products	55.46	53.73	54.96
Soap	64.59	62.73	63.75

Britain to Standardize Essential Oils Analyses

A committee to work out standard methods for the analysis of essential oils has been setup by the British Standards Institution. It has a membership of seventeen persons, including representatives of the Aromatic Compounds Manufacturers Association, Essence Manufacturers Association, Essential Oil Importers' Section, Government Laboratory, Imperial Institute, Pharmaceutical Society, Pharmacopeia Committee, Soapmakers and Fatsplitters Federation, Society of Chemical Industry, and Society of Public Analysts.

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Protective Coatings Materials

Price movements in this market last week were confined to those pigments of substantially heavy lead content, with the exception of chrome and molybdated colors. The latter held firmly to former schedules. Following a rise in lead metal of 3/8 cent per pound early in the week, a 3/8 cent per pound advance in price was promptly effected on basic sulphate blue lead, carlot quantities of all grades of red lead and litharge, basic carbonate white lead, basic sulphate white lead, and 50 percent leaded zinc oxide. Meanwhile, an advance of 1/4 cent per pound was effected on basic silicate white lead, less than carlot quantities of red lead and litharge, orange mineral, and 35 percent leaded zinc oxide. The index increased 0.9 point becoming 208.6.

Several price increases in lead metal have been absorbed by manufacturers of green, yellow, and orange chrome and molybdated colors, and by manufacturers of lead driers. It was felt that any further advances in lead would be certain to lead to an upward adjustment in lead driers, according to leading producers, and just how long increased metal costs could continue to be absorbed by chrome color producers was a matter of conjecture.

Dry color manufacturers were still operating under a temporarily heavier demand for both organic and inorganic pigments because of the four week strike in the plants of a major producer. Settlement of the strike had not yet been made at presstime. Some extra buying for inventories in anticipation of a price advance on chrome colors as a result of the lead market situation, was also a contributing factor to the present spurt in color pigment demand.

Synthetic resins and film forming lacquer cellulostic derivatives were in abundant supply, as were also chlorinated and cyclocized rubber bases and chlorinated paraffins. Following the generally declining price position caused by lower prices on phthalic anhydride, sebacic acid, cresylic acid and cresols, and alkyl compounds, the plasticizer market which was unsettled during July stabilized last week at generally lower levels. A period of plasticizer price stability was now expected.

The market for Argentine casein was notably weak, and domestic production was limited. Fillers and extenders were for the most part abundantly available. Naval stores demand was light, and price fluctuations minor.

Market Trends

Prices Advanced

Lead, blue, basic sulphate, 3/4c. per lb.
red, all grades, c.l., 3/8c. per lb.
l.c.l., 1/4c. per lb.
white, basic carbonate, 3/8c. per lb.
basic silicate, 1/4c. per lb.
basic sulphate, 3/8c. per lb.
Litharge, c.l., 3/8c. per lb.
l.c.l., 1/4c. per lb.
Orange mineral, 1/4c. per lb.
Rosin, gum, Savannah, w-x, 20c. per 100 lbs.
Turpentine, gum, Savannah, 1/2c. per gal.
Zinc oxide, 35% leaded, 1/4c. per lb.
50% leaded, 3/8c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
208.6	207.7	205.4	204.1

(For Current Prices see Page 9)

Prime Pigments

Blue Lead—Basic sulphate blue lead prices followed last week's advance in metal with a prompt upward adjustment of 3/8c. per pound. This brought the new price schedule to 15 7/8c. per pound in carlots and 16 7/8c. in less than carlot quantities.

Carbon Black—The market for carbon black materials was characterized by abundant supply, firm prices, and continued lower production and shipping rates than a year ago.

The Bureau of Mines reported June production of contact black at 49,042,000 pounds and output of furnace black at 48,895,000 pounds, off 9 percent from the previous month and from June of a year ago. Shipments for June were off 11 percent from June of 1948, totaling 90,624,000 pounds. This left stocks at the end of June significantly higher than in May, particularly on the contact blacks on which inventories increased 6,088,000 pounds during the month.

Chrome Colors—Despite the continuing advance in metallic lead, manufacturers of chrome yellows, oranges, greens, and molybdated colors held prices unchanged and continued to absorb the increased cost. How long they would be able to continue this policy was a matter of conjecture, and the feeling was prevalent that further lead increases would soon bring costs to a point where pigment manufacturers would have to make an upward price adjustment.

Meanwhile, the four week old strike in the plants of a major producer remained unsettled. This caused an increased pressure of demand on other producers, who, however, were able to take care of the situation and no consumer was in a position where he could not get his requirements from somewhere. In view of the metalic lead market situation there was a tendency on the part of some buyers to order in extra lead based colors before the expected price adjustment. These factors added up to make the current market appreciably more brisk than would normally be the case, and its temporary nature was recognized in most quarters.

Earth Colors—Supplies of the various grades of natural and processed earth colors were reported as abundant, and moving steadily under a firm price structure. While demand was off generally in line with the lower physical volume of paint business this year compared to last year, this decline was not as serious as some quarters would make it seem, and domestic consunmption was holding up well. Export business, however, was considerably off. Imports of iron oxide last week totaled 2,888 bags and 25 barrels.

Lead Metal Paste—The advance of 3/8c. per pound last week in metal was at presstime not yet reflected in the price structure on metallic lead paste prices.

Litharge—The advance of 3/8c. per pound in metallic lead last week was promptly reflected by an upward adjustment in litharge prices in which carload quantities were increased in price 3/8c. per pound and less than carlot quantities 1/4c. This brought current quotations on litharge to 16 7/8c. in carlots, and 17 3/4c. in less than carlots, on a freight allowed basis.

Orange Mineral—This material moved up 1/4c. per pound early last week, bringing less than carlot quantity prices to 21.10c. per pound.

Organic Toners—Most toners of red, maroon, blue, and green regardless of chemical constitution were available for moderately prompt delivery, although there was some extra burden on operating producers as a result of the four weeks strike, still unsettled, in the plants of a major producer. Production capacity on some few items by virtue of the nature and ordinary demand for the product, is not large. In these few minor instances there was some slight delay in making deliveries. Raw materials for toner manufacture were generally plentiful as a result of the

Paint, Varnish, Lacquer Sales: June

The value of sales of paint, varnish, lacquer and fillers in June, 1949, as reported by 680 establishments to the Bureau of Census, was $88,454,366. These establishments accounted for approximately 90 percent of the total value of the output of the industry as reported in the Census of Manufacturers for 1939. Included are data on sales of water-thinned paints and nitrocellulose lacquers, which formerly were published separately but have since been discontinued. Details of sales reported with comparative data for 1948 follow:—

	Total sales reported by 680 establishments	Classified sales reported by 580 establishments: Trade-sales of paint, varnish, and lacquer	Industrial sales: Total	Industrial sales: Paint and varnish	Industrial sales: Lacquer	Unclassified sales reported by 100 establishments
1949—June	$88,454,366	$50,791,856	$28,743,662	$21,590,003	$7,153,659	$8,918,848
Total, 6 months	495,373,228	278,407,486	169,079,116	127,689,771	41,439,342	47,886,626
1948—June	103,697,242	58,814,262	34,569,195	26,691,663	7,877,532	10,313,785
Total, 6 months	558,011,101	305,400,747	197,604,550	150,655,662	46,972,523	55,263,839

* Revised.

For Late Market Developments, See Page 4

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long slump in the textile industry which accordingly demanded less dyestuffs.

Red Lead—The price structure of all grades of red lead advanced 3/8c. per pound in carlot shipments and 1/4c. per pound in less than carlot quantities. This brought price quotations on the 95c. grade to 17 7/8c. per pound in carlots and 18 3/4c. in less than carlots. The 97 percent grade was listed at 18 1/8c. per pound in carlot shipments, and less than carlot quantities were quoted at 19c. The 99 percent material was listed under the new schedule at 18 3/8c. per pound for carlot shipments, and 19 1/4c. for less than carlots.

Synthetic Iron Oxides—Oxides and hydrates of various colors and shades were said to be in ample supply to meet current needs, while prices were unchanged from levels prevailing over recent weeks. Manufacturers were benefited by the better supply situation prevailing on scrap iron, and the recent price trend in scrap prices has been favorable to more satisfactory operations.

Titanium Pigments—These materials were in sufficient supply to take care of current demand, which, since the recent price reductions on paint products, has been heavier. The heavier demand was largely regarded as temporary as a result of the move on the part of paint dealers to replenish inventories which had been allowed to dwindle to a minimum because of the expected price break.

White Leads—The 1/4c. advance in the price of metallic lead the previous week, together with an advance of 3/8c. per pound last week, caused a revision in white lead prices.

In the case of basic carbonate white lead, manufacturers who had adjusted prices to reflect the 1/4c. advance in metal the previous week, adjusted prices upward again by 3/8c. Those who had not made the advance the previous week, increased prices 1/2c. The net result was a current price position of 17 1/8c. per pound in carlots, and 18 1/8c. per pound in less than carlots.

Bsaic silicate white lead prices moved upward 1/4c. last week in which various grades were quoted in carlots in the range of 16c. to 19 3/8c. per pound, and less than carlots were listed at 16 1/2c. to 20 3/8c. per pound depending upon the type.

Basic sulphate white lead advanced 3/8c. per pound, bringing carlot quotations to 15 7/8c. per pound and less than carlots to 16 7/8c. per pound.

Prices for less than 500 pounds were 1c. higher than the above less carlot quotations.

Zinc Pigments—The only price changes in zinc pigments last week was a 1/4c. per pound advance in 35 percent leaded zinc, oxide and a 3/8c. advance in 50 percent leaded zinc oxide. These advances were a reflection of the 3/8c. per pound rise in lead metal earlier in the week. Zinc metal remained unchanged and accordingly pure and 5 percent leaded zinc oxide prices were firm. The current market was characterized by a temporarily heavy pressure of demand for leaded zinc. Prices for 35 percent leaded zinc after the upward adjustment were listed at 12 3/4c. for carlot bag quantities, and 13c. per pound for less than carlot shipments. The 50 percent leaded zinc oxide was currently quoted at 13 1/2c. per pound for carlots and 13 3/4c. for less than carlot quantities. The 5 percent leaded zinc, as usual, was unchanged because its price moves are made primarily when pure zinc oxides moves. These were prices quoted East of the Pacific coast, and the usual differential for the Pacific coast area prevailed. Pure zinc oxides, sulphides, and lithopones were unchanged from levels prevailing since August 1.

The Bureau of mines reported that production of zinc oxide declined 16 percent in June, reaching the lowest level since the beginning of their monthly survey in May of 1941. Production for June was reported as 1,334 tons of leaded zinc oxide of which 1,073 tons were of the 35 or lower percentage grades. Production of lead free zinc oxides totaled 7,865 tons in June, compared with 9,296 tons in May. Of the total, 6,049 tons was of the American process type, 1,033 tons of the French process type, and 783 tons were made from dust residue and scrap.

Fillers and Extenders

Asbestos—Imports last week totaled 3,360 bags arriving from Biera and from Lourenco Marques. Long fibers were still said to be in an unsatisfactory supply position, while short materials were readily available.

Mica—This market was characterized by abundant supplies against which there was reported a moderate demand. Imports last week totaled 1,040 cases.

Whiting—This form of calcium carbonate extensively used in the paint industry as an extender pigment, particularly in flat wall finishes, was plentiful. Prices were unchanged from levels prevailing over recent months. Demand was slow, but was expected to show a significant upturn this Fall as interior finishing begins to seasonally increase.

Lacquer Materials

Ethylcellulose—This item was reported to be in abundant supply and moving in moderately good volume under a firm price position in which 5,000 pound quantities were quoted at 52c. per pound, and smaller lots varied as to quantity from 54c. to 62c. per pound.

Lacquer Solvents—After the recent flurry of price declines affecting a wide range of esters, alcohols, and ketones, lacquer solvents last week assumed a firm tone pricewise and a period of price stability in the immediate future was expected. Supplies of most solvents were abundant, but stronger demand was generally reported and prospects for good business volume in the last quarter were regarded as excellent.

Methylcellulose—This item maintained a firm price position at levels which have remained unchanged for several months, and no price adjustment in the immediate future was contemplated. Supplies were reported as quite adequate, against which there was a moderately good demand. Material having a viscosity of 4,000 centipoises was listed in carlots at 68c. per pound, ton lots were quoted at 70c., and smaller quantities at 75c. to 80c. per pound. The grades ranging from 15 to 1,500 centipoises in viscosity were quoted at 62c. in carlots, 63c. in ton lots, and from 68c. to 73c. per pound in less than ton quantities, depending upon the amount.

Nitrocellulose—Supplies of this basic lacquer material was abundantly available in any quantity and in any viscosity. Prices were unchanged from levels prevailing over recent months. The more widely used ester soluble low viscosity grades were quoted at 28c. per pound in carlot quantities, and less than carlot shipments varied as to quantity from 29c. to 31c. per pound.

Plasticizers—Supplies of all the various types of plasticizers for lacquers and plastics were reported to be good. This market had apparently settled down at the recently established price levels and was expected to remain there for the immediate future. Price adjustments over recent weeks in phthalic anhydride, sebacic acid, cresylic acid and cresols, and alkyl alcohols and esters, had the plasticizer market during July in a somewhat unsettled position.

Synthetic Resins

One large manufacturer of alkyd resins announced price productions which were said to have anticipated declining raw material costs, and to have been established essentially at rock bottom. Otherwise, the market conditions were unchanged from the situation reported in more detail the previous week. Business volume continued slow with buyers inclined to purchase only for immediate needs. The alkyd resin market was expected to show an improved demand this Fall, but the production capacity of the industry was such that even a substantial increase in demand would not take the industry out of the intensely competitive and low profit position which it has assumed in recent months.

Miscellaneous Materials

Casein—Domestic production of casein was said to be lighter, and the market on the domestic item suffered from a lack of supplies. Accordingly what domestic material was being produced moved promptly to established accounts, and no spot material was available. Standard quality domestic casein was quoted nominally at 20c. to 21c. per pound, while premium

Pine Gum Prices

Prices received by producers for crude pine gum delivered to processing plants during the week ended August 6 averaged $21.24 per standard barrel of 435 pounds, it was announced Friday by the Department of Agriculture. This compared with an average price of $21.19 for the previous week.

The average estimated content per standard barrel was 11.4 gallons of turpentine and 298.4 pounds of rosin. Percentages of gum by grade were WW, 51; WG, 17; N, 13; M, 10, and K and below, 9 percent. Receipts at 23 reporting plants totaled 33,064 standard barrels, an average of 1,438 barrels per plant, compared with 1,574 barrels a week ago.

quality material moved at prices as high as 22c.

Argentine material was abundant, stocks were heavy, and demand confined essentially to immediate needs. The limited sales were reportedly made in the range of 19c. to 19½c. per pound. Imports last week totaled 4,550 bags.

Production of domestic casein during the first six months of this year totaled 13,245,000 pounds, a gain of 46 percent over the first half of last year. The June output stood at 2,550,000 pounds, considerably under the 3,225,000 pounds produced in May. Stocks on hand at the end of June amounted to 3,100,000 pounds, according to the Bureau of Agricultural Economics.

Lead Driers—The price position of the various lead driers was still unchanged at presstime, and it was felt in most quarters that any further advance in metal prices would promptly be reflected in a rise in such driers as lead naphthenate. Lead has advanced slightly more than ¾c. per pound since the latest price revision on lead driers, and hence might be sufficient to push driers up, but drier price changes will probably be deferred until the next advance in metallic lead since drier manufacturers are inclined to absorb increased metal costs up to 1c. per pound on the metal, prior to adjusting drier prices on a proportionate basis.

Naval Stores

The parity price on naval stores currently in effect until August 30 is $142.03 per production unit consisting of 1,400 pounds of gum rosin and 50 gallons of gum turpentine. Meanwhile, talks on an early loan program for 1950 were scheduled to be included in the August 25 meeting of industry and government officials. From the beginning of the Marshall plan in April 1948 up to July 1 of this year, the accumulated ECA grants for naval stores aggregated $17,700,000.

Aside from small price fluctuations in turpentine and in WW and X rosin, prices maintained a uniform price position on the Savannah market last week.

The record of the gum naval stores markets over the week ended August 12 was as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range)					New York c.l., l.c.l., f.o.b. ex N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
B	$5.75	$5.75	$5.75	$5.75	$5.75	$7.10	$7.85
D	6.00	6.00	6.00	6.00	6.00	7.10	7.85
E	6.36	6.36	6.36	6.36	6.36	7.45	8.20
F	6.42	6.42	6.42	6.42	6.42	7.45	8.20
G	6.42	6.42	6.42	6.42	6.42	7.45	8.20
H	6.44	6.44	6.44	6.44	6.44	7.45	8.20
I	6.44	6.44	6.44	6.44	6.44	7.45	8.20
K	6.44	6.44	6.44	6.44	6.44	7.45	8.20
M	6.44	6.44	6.44	6.44	6.44	7.45	8.20
N	6.44	6.44	6.44	6.44	6.44	7.45	8.20
WG	6.44	6.44	6.44	6.44	6.44	7.45	8.20
WW	6.50	6.50	6.55	6.61	6.65	7.65	8.40
X	6.50	6.50	6.55	6.61	6.65	7.65	8.40
	Drums						
Sales	180		100	100	200		
Receipts	563	978	364	369	179		
Shipments			324	67			
Stocks	38,241	31,219	31,259	31,268	31,447		

Gum Turpentine

	Savannah Exchange Bulk					New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.)
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday
Per gal.	.37¾	.37¼	.37¾	.38	.38	.44 .52½
Sales, bbls.	328	320	320	21	320	
Receipts, bbls.	596	654	223	40	217	
Shipments, bbls.	82	113	71	58	35	
Stocks, bbls.	9,375	9,916	10,068	10,096	10,278	

Resinous Products Develops Urea Formaldehyde Adhesive

The Resinous Products Division of Rohm & Haas Company, Philadelphia, is offering a new one component adhesive said to offer superior performance for tapeless splicing of veneers. Designated as "Uformite JS-508," it is a urea formaldehyde resin adhesive which is said to work equally well on either jointer or splicer applications.

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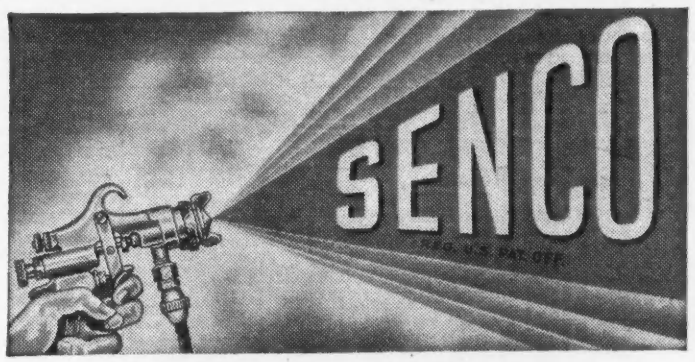

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CLEVELAND, O.	Ohio Solvents & Chemicals Co.	3520 W. 140 Street
DETROIT, MICH.	Western Solvents & Chemicals Co.	6472 Selkirk Avenue
GRAND RAPIDS, MICH.	Wolverine Solvents & Chemicals Co.	1500 Century Avenue
HOUSTON, TEXAS	Texas Solvents & Chemicals Co.	8501 Market Street
INDIANAPOLIS, IND.	Hoosier Solvents & Chemicals Co.	1650 Leutt Avenue
LOS ANGELES, CAL.	Griffin Chemical Co.	555 South Flower Street
LYNDHURST, N. J.	Stoney-Mueller, Inc.	Page & Newark Avenues
MILWAUKEE, WISC.	Wisconsin Solvents & Chemicals Co.	1719 S. 83rd Street
NEW ORLEANS, LA.	Southern Solvents & Chemicals Co.	1854 Jefferson Highway
PROVIDENCE, R. I.	Philipp Bros. Chemicals, Inc.	511 Westminster Street
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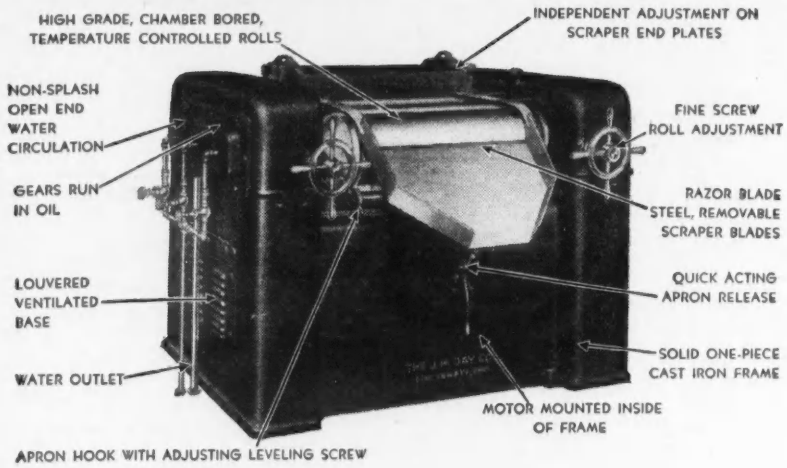
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The gears are helical cut and run in oil, assuring that every point of contact is adequately lubricated. The frame is rigid and sturdy.
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N.Y. Paint Club DeLore Team Golfs

The New York Paint, Varnish and Lacquer Association's golf team played for score in the DeLore trophy contest August 10 at the Bonnie Briar Country Club, Larchmont, N. Y. The score will not be announced until the scores of all the other competing groups in the country have been received to determine the trophy winner.

The New York group's team was made up of the following regulars and alternates:—Captain Charles Malizia, North Jersey Paint Company; Leonard Cannella, Continental Can Company; G. Austin Wharry, G. A. Wharry & Co.; Chan Withington, D. H. Litter Company; Sven Johannisson, Imperial Paper & Color Company; Edward Tredennick, Tredennick Paint & Varnish Company; Jack McCabe, McCabe Paint & Varnish Company; D. I. Brand, Brazil Oiticica Company. Other alternates who played along with the team were: — Theodore Cornelius, Theodore Cornelius Company; Oakley H. Garlick, Paul O. Abbe, Inc.; Charles A. McBride, J. H. Day Company.

Mantrose Names Agent

The Mantrose Corporation, importer and bleacher of shellac, Brooklyn, N. Y., has appointed the Hodges-Truesdale Company its agent for the New England area. The Hodges-Truesdale organization maintains offices at 152 Sixth street, Cambridge 42, Mass.

Maas & Waldstein Midwest Division Is 25 Years Old

Maas & Waldstein Company, manufacturer of lacquers, enamels and synthetic finishes, Newark, N. J., is celebrating the twenty-fifth anniversary of the establishment of its midwestern division. The midwest division was established in 1924 as a small branch to serve as a warehouse for standard lacquers and synthetic enamels, and is currently housed in a large manufacturing and warehousing building at 1658 Carroll avenue, Chicago.

Metal Cans Shipments: May

Total shipments of metal cans during May, 1949, showed slight increase, according to the Bureau of the Census. These figures are based on metal can shipments expressed in terms of the weights of steel consumed in the manufacture of the cans shipped. In the month of May metal can shipments on this basis amounted to 230,179 short tons, as compared with the 204,353 short tons shipped during April.

Surface Technology Courses Planned at New York Univ.

The Department of chemical engineering of New York University will again offer a series of graduate courses in surface technology during the 1949-50 academic year.

There will be courses on "Surface Finishes," which will include a study of the principles involved in protective, decorative, and functional finishing, economic factors, forms of finishing problems, types of surfaces and finishes, and methods of application; the "Surface Finishes Laboratory" course will provide a laboratory introduction to the basic processes of decorative and protective finishing and will study the various methods of evaluating and testing surface finishing products, and the "Research" course will provide properly qualified students with an opportunity to pursue experimental studies in connection with the preparation of theses.

Trade Briefs

Colors, dyes, drugs and chemicals exported from the United Kingdom during April of this year were valued at £6,900,000.

E. I. du Pont de Nemours & Co., has issued a report on its effort to make known developments in nylon bristled paint brushes.

Shellac, seedlac and sticklac imported into the United Kingdom during 1948 totaled 127,463 hundredweight, compared with 174,389 hundredweight in the previous year.

William H. Parr, manager of the Eastern Paint & Varnish Works, Paterson, N. J., has been named paint consultant for the North Jersey Industrial Exposition.

General Electric Company, Pittsfield, Mass., has appointed Insulating Fabricators, Inc., East Rutherford, N. J., a distributor of its "Textolite" plastics surfacing materials.

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Here's a Glyptal alkyd resin which gives fast baking speed, excellent hardness, gloss, leveling, water and soap-resistance to your enamel formulations. Its many applications include finishes for signs, cabinets, metal furniture, and home appliances. It can also be used in force-dried furniture finishes. Investigate 2520 Glyptal and see!

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A G-E specialist is always available to discuss your paint problems. Just write to Section 31-8, Chemical Department, General Electric Company, Pittsfield, Massachusetts.

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Solids content-weight	49-51%	Flexibility	Very Good
Solvent	Solvesso #100 & 5% Butanol	Gloss	Excellent
Viscosity (G-H)	Y-Z	Gloss retention	Excellent
Color (Gardner)	7 Max.	Color retention—air dry	Excellent
Acid No. of solution	4-5	Color retention—bake	Very Good
Pounds per gallon	8.4	Water resistance	Excellent
Pigment compatibility	Excellent	Weather resistance	Excellent
Through dry	Good	Specific gravity	1.20
Baking speed	Very Fast	Phthalic anhydride	Present
Hardness	Excellent	Type of oil	Dehydrated Castor

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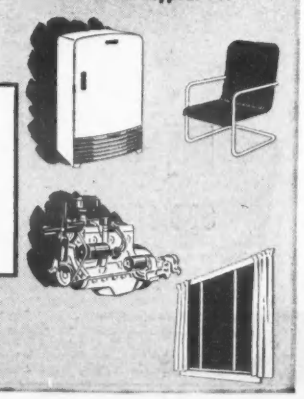

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Synthetic Resins Output, Sales: 1948

The Tariff Commission has included statistics on the production and sales of synthetic plastics and resin materials, grouped according to classes, in its report on the synthetic organic chemicals industry in the United States for 1948. The data, on a dry basis[1], is as follows, in pounds:—

	Production	Sales
Alkyd resins, total	284,503,000	167,501,000
For protective coatings:		
Phthalic anhydride type:		
Unmodified	175,542,000	78,969,000
Modified[2]	59,975,000	46,308,000
Polybasic acid type, except phthalic:		
Unmodified	4,634,000	4,195,000
Modified[2]	35,636,000	30,941,000
For all other uses:		
Phthalic anhydride type	3,293,000	2,145,000
Polybasic acid type, except phthalic	5,423,000	4,943,000
Phenolic and other tar acid resins, total	375,601,000	325,836,000
For protective coatings:		
Unmodified	22,720,000	17,441,000
Modified:		
By rosin and rosin ester	33,370,000	31,353,000
Except by rosin and rosin ester	1,550,000	984,000
For all other uses[3]	317,961,000	276,058,000
Rosin esters, modified and unmodified[4]	79,138,000	59,532,000
Rosin adduct resins, for protective coatings	4,696,000	4,252,000
Urea and melamine resins, total[5]	148,681,000	139,663,000
For protective coatings	23,582,000	17,793,000
For all other uses[6]	126,099,000	121,870,000
Styrene and styrene derivative polymer and copolymer resins, total[6]	164,676,000	155,141,000
Polystyrene resins	140,484,000	135,126,000
All other styrene and styrene derivative polymer and copolymer resins	24,192,000	20,015,000
Vinyl and vinyl copolymer resins[7]	218,237,000	194,787,000
Miscellaneous synthetic plastics and resin materials, total[8]	204,344,000	192,819,000
For protective coatings	20,224,000	15,501,000
For all other uses[8]	184,120,000	177,318,000
Grand total	1,480,876,000	1,239,531,000

[1] Dry basis, for the purpose of this report, is defined as the total weight of the plastic or resin material, including resin, plasticizers, extenders, fillers, coloring agents, and stabilizers, but excluding solvents, water, and other liquid diluents.

[2] Includes data for modifications with rosins, tar acids, oils, styrene, fatty acids, tall oil, etc.

[3] Includes data for molding materials and resins for laminating, adhesives, textile-and paper-treatment, casting, and miscellaneous uses. Detailed satistics by uses are available in the Tariff Commission's monthly reports on the production and sales of synthetic plastics and resin materials, Facts for Industry Series 6-10.

[4] Includes esters of tall oil, and rosin esters modified by phenolics, and by fatty acids or oils. Other modified rosin ester resins are included with alkyd resins. The major portion of the rosin esters included here are for use as protective coatings. Tar-acid resins modified by rosin ester are included under tar-acid resins.

[5] Includes data for substituted urea and melamine resins and modifications.

[6] Includes data for modified and unmodified styrene polymerization and condensation resins for molding, protective coatings, and miscellaneous uses.

[7] Includes data for polyvinyl halides and copolymers, and polyvinyl butyral, formal, acetate, and alcohol resins for sheeting and film, textile- and paper-treatment, molding and casting, protective coatings, and miscellaneous uses.

[8] Includes data for acrylic, aniline-formaldehyde, coumarone-indene, petroleum polymer and condensation, polyamide (Nylon), polyethylene, silicone, and miscellaneous plastics and resins.

Note.—The statistics on sales of synthetic plastics and resin materials shown in the above table for 1948 do not include the value of interplant transfers as do the statistics previously issued by the Commission for 1947 and earlier years. As already indicated, the statistics on production and sales of molding materials are on a dry basis (see footnote [1]). Statistics on production and sales of molding materials issued by the Commission for 1947 and earlier years were on the basis of net resin content, i.e., the weight of fillers and unreacted modifiers were not included. The only figures in the above table which were substantially affected by this change in the basis of reporting were those for "Phenolic and other tar-acid resins".

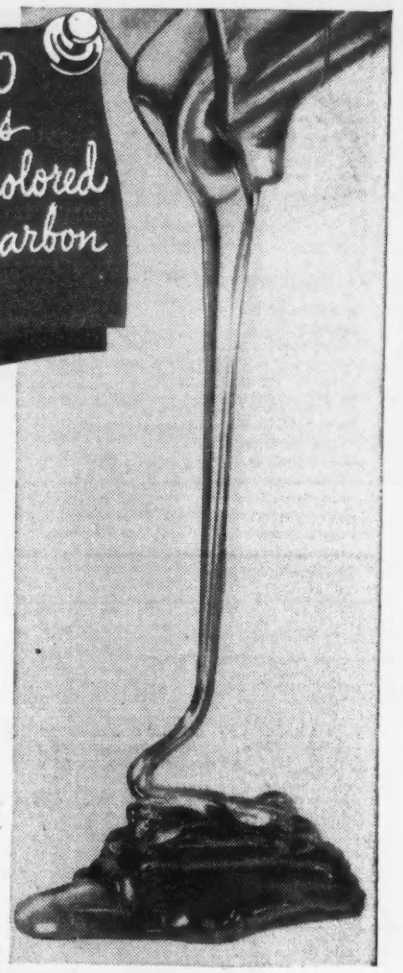
The interplant transfers included in the sales data for 1947 and earlier years probably accounted for not more than about 10 percent of the quantity and value of the total of sales plus transfers. Except for "Phenolic and other tar-acid resins," the satistics on production and sales given in the above table are substantially, though not strictly, comparable with satistics given on production and sales for 1947 and previous years. As regards "Phenolic and other tar-acid resins," neither the statistics on production nor those on sales given in the above table should be compared with statistics previously issued by the Commission on production and sales of such materials.

Rohm & Haas Has New Phthalic Alkyd Resin

The Resinous Products Division of Rohm & Haas Company, Philadelphia, has developed a new low viscosity oxidizing type resin which is said to supply easy brushing, extremely fast drying, good color and good gloss to enamels and similar coatings.

The phthalic alkyd resin, marketed as "Duraplex C-57," was designed as a vehicle for production of general purpose syndicate enamels, household brushing coatings and toy refinishing enamels. It is also said to meet the requirements for coating agricultural implements and for enamels for recoating such equipment.

Indopol H-300 —a highly viscous non-drying, light colored synthetic hydrocarbon product.



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Available in seven grades

BRAND NAME	Indopol L-100	Indopol H-35	Indopol H-100	Indopol H-300
Viscosity 210° F., Saybolt sec.	93.8	377	1040	3000
Specific Gravity 60°/60° F.	.854	.871	.881	.894
Color, NPA	2	2	2	3
Pour Point (ASTM) °F.	—25	0	20	35

Additional grades, and their Saybolt viscosities at 210 °F., are L-10 (40.6 sec.), L-50 (68.2 sec.) and H-50 (540 sec.).

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CLEVELAND — Norman G. Eckstel Co.
DETROIT — C. W. Hess Co.
HOUSTON — Joe Coulson Co.
KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — E. H. Taylor Co.
LOUISVILLE — Decks & Sprinkel Co.
MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
NEW ORLEANS — C. N. Sutton
PHILADELPHIA — Lees & Dilworth, Inc.
PITTSBURGH — Jos. A Burns
PORTLAND, ORE. — Miller & Zehrung Chemical Co.
ST. LOUIS — Harry G. Knapp
SAN FRANCISCO — E. M. Wells
SEATTLE — Carl F. Miller & Co.
TORONTO, CAN. — A. S. Paterson

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Cabot Appoints Louthan To Technical Service Staff

Godfrey L. Cabot, Inc., carbon black manufacturer, Boston, Mass., has appointed Cather P. Louthan to its technical service staff. Mr. Louthan was formerly manager of compounding for tires, tubes, belts and molded rubbed goods at the Gates Rubber Company, Denver, Colo. He will make his headquarters at the Cabot organization's office in Akron, Ohio.

Dry, Flushed, Pulp Colors Output and Sales: 1948

The Tariff Commission has included statistics on the production and sales of selected dry, flushed and pulp colors[1] in its report on the synthetic organic chemicals industry in the United States for 1948. The data are as follows, in pounds:—

	Production	Sales
Alkali blue toner (C. I. 704):		
Flushed form	1,714,100	1,388,400
Pulp form	.....	165,800
Benzidine yellow toner:		
Dry form	715,300	666,800
Flushed form	786,800	832,700
Eosine (C. I. 768) and phloxine (C. I. 774) toners:		
Dry form	786,400	255,000
Flushed form	648,400	545,200
Lithol red, barium toner:		
Dry form	2,752,100	2,384,500
Flushed form	609,600	546,500
Pulp form	248,000	235,400
Lithol red, calcium toner:		
Dry form	1,335,100	1,225,000
Flushed form	166,500	147,000
Lithol red, sodium toner:		
Dry form	608,700	588,700
Flushed form	162,100	115,400
Methyl violet B (C. I. 680), fugitive:		
Dry form	196,800	.....
Flushed form	379,900	275,800
Methyl violet B (C. I. 680), permanent (PMA, PTA, and PTMA):		
Dry form	110,500	102,100
Flushed form	495,600	477,100
Pulp form	36,800	28,300
Peacock blue (C. I. 671), fugitive:		
Dry form	1,330,500	642,100
Flushed form	975,300	859,400
Toluidine red toner (C. I. 69):		
Dry form	2,763,100	2,279,300
Flushed form	.....	239,900
Pulp form	228,000	183,200

[1] Statistics on production and sales of the organic pigments (color lakes and toners) listed in this table are given in terms of the commercial (physical) forms in which they enter commercial channels. Data on the flushed and pulp forms therefore are in terms of total weight, including pigment and vehicle (water or oil). Data on the dry form represent only that pigment which is sold or consumed in this form.

Trade Briefs

American Petroleum Institute has issued an improved edition of its publication, "Your Industry and Mine."

Roy J. Barnett, tax commissioner of the Standard Oil Company (Indiana) has retired after twenty-nine years with the company.

Shell-Mex Oil Company has been fined nearly $300,000 by the government of Argentina on charges of violating foreign exchange restrictions.

Nuodex Names Taylor As New Western Agent

Nuodex Products Company, Elizabeth, N. J., has appointed the E. B. Taylor Company, Los Angeles, sales agent for its products in southern California, Utah and Arizona. The Taylor organization, which has offices at 442 Colyton street, replaces Anderson Associates as agent in that area and will maintain warehouse stocks of all Nuodex materials.

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Petroleum Derivatives

The season still exerted its influence on the market for petroleum derivatives during the past week. Business in general was on the slow side but this did not cause any particular worries in the industry, for it was felt that with the end of the hot months and the re-opening of many factories that have been closed for Summer vacations, there would again be an upswing in the trend of the market.

Aliphatics were still not moving rapidly, largely as a result of the slowness that was noted in the paint industry. Part of this sluggishness was blamed on the weather and it was thought that by Fall there should be a better tone in this section. Blends continued to be off somewhat, although there had in recent weeks been some reports to the effect that the sales of the material for July were better than they had been for the preceding month. The demand for the higher boilers was also reported to be none too strong. As far as price was concerned, however, these materials held to their previous listings and there were no indications from producers that there were any revisions in prospect for the immediate future.

The lighter fractions were reported to be moving in a steady way although the volume of sales was not at an exceptionally high point. Supplies of butane and propane continued at good levels and the price listings remained in a firm position.

Following recent revisions in the listings of No. 6 heavy fuel oil on the East Coast, that market appeared to have quieted down during the week.

Generally speaking, supplies were at a good point and the industry was having no difficulty in satisfying the normal requirements of its customers.

Solvents and Diluents

Aromatic Solvents—This market showed no particular change during the past week and it was said that nothing new was expected immediately. Many consumers were still operating on Summer schedules and that was having its effect on keeping the tone of the market quiet. Toluol and xylol were still in a stable market and it was expected that there would not be much change before Fall. Petroleum aromatics supplies were reported to be holding at satisfactory levels. Although low gravity crudes had recently been lowered in some areas, the listings on the sweet grades continued to hold firm. Some sections of the industry felt that demand was holding up at reasonably good levels in this, a normally dull season of the year.

Blends and higher boilers continued to hold in a reasonably steady position. Turnover of the material was not all that it might have been but that was caused largely by the shutdowns in industry for Summer vacations. Supplies were at a sufficiently high level to cause no trouble as far as obtaining material was concerned. It was thought that the tone of business would pick up after the end of the hot months.

Cleaners' Naphtha—Prices on this material were holding to their former levels during the past week and there were no changes anticipated for the immediate future. Business in general remained in the Summer doldrums and it was expected that there would not be much pickup while the weather continued warm. Demand, it was said, was only at fair levels, largely because of the time of year. Stocks, however, were at a level which producers said was sufficiently high to satisfy all normal orders.

Lacquer Diluent — The slowness that had been noted in this market in recent weeks continued to be seen last week. The weather was said to be largely responsible for this condition for lacquer makers were running on reduced schedules for the Summer months. Supplywise, the material was abundant and was expected to remain in that position for some time. There were no changes anticipated in the price structure.

Mineral Spirits—Prices were holding at their previous levels and there were no indications from producers last week that there would be any revisions in the immediate future. Vacation shutdowns in the paint industry were having their effect on the demand for this material, but it was felt that after the Summer was over there would be an accelerated demand from the paint makers. The stocks of the material were said to be sufficient for normal ordering, but were not moving at an especially fast rate.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Rubber Solvents—Demand for this material was off somewhat during the period because consumers were operating at a reduced rate. Supplies, however, were holding at a strong level. The price structure held during the week and the indications were that it would continue to do so during the immediate future.

Stoddard Solvent—Supplies of this item were reported to be at a good point during the past week but there was a lag in the demand, largely as the result of the lessened operations in the paint industry. No changes were reported in the price structure of the material and there were no signs that there would be any for the time being, at least.

V. M. & P. Naphtha—An ample supply of this item was reported last week and the price structure showed no change from the weeks immediately preceding. Lacquer making had been reduced by seasonal shutdowns and that was having its effect in keeping the demand for this material somewhat slow.

Lighter Fractions

Butane—Demand for this material was not high during the past week, but the principal reason for this was the season and it was expected that after the end of the Summer a pickup would be evident. There were no changes in the price range and there were none suggested for the immediate future.

Heptane—Demand for this material was light although reasonably steady. Stocks were reported to be good, with producers able to accommodate normal orders without difficulty. Pricewise, there were no changes reported and none anticipated for the time being.

Hexane—The demand for this material during the past week was reported to be reasonably steady, although the number of sales was not especially high. There were sufficient supplies of it on the market to satisfy all normal orders. The price range showed no change during the period.

Pentane—Supplies of this product continued at good levels during the past week and buyers were having no particular difficulty in obtaining what they needed. The demand was not at especially strong levels, however. It was reported that the turnover of the material was steady if not rapid. There were no changes reported in the price range.

Miscellaneous

Crude Oil — The amount of domestic crude petroleum that will be consumed or exported this month is estimated by the Bureau of Mines at 5,180,000 barrels daily compared with 5,160,000 for July. The forecast contains no recommendations as to desirable rates of crude production or of changes in crude stocks. It is an estimate of probable consumption based on actual industry conditions and policies in effect; adjustment for seasonal changes in refined stocks; allowance for the current rate of imports of foreign crude oil and products and the production of other light oils from natural gas, and consideration of available refinery capacity and distribution facilities.

Fuel Oil—Following recent revisions in the listings of No. 6 heavy fuel oil, the market last week appeared to have settled back into a quiet position.

Los Angeles Petroleum Market

Good supply and demand have held the solvents and diluents market firm over the past week with no expected change in the immediate future. Prices have remained unchanged as follows:—Cleaning Solvent—15.5c. to 19.5c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area; Lacquer Diluent—16.5c. to 20.5c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles; Stoddard Solvent—15.7c. to 19.5c. per gallon, tankwagon, f.o.b. Los Angeles.

The market for lighter fractions remains dull due to the seasonal trend. Supplies are good but demand is slow. Propane quoted from 8.8c. to 9.3c. per gallon, tankcar, f.o.b. Los Angeles area basin. Butane quoted at 9.3c. per gallon, tankcar, f.o.b. Los Angeles area basin.

Little activity in paraffin wax was reported from the local trade for last week. Supplies of all high melting point waxes are good. High melting point ASTM 140/147, carload loose slabs, f.o.b. shippers refinery San Francisco—6.95c. per pound; 146/148, same basis—7.15c. per pound; ASTM 157/162, same basis—7.6c. per pound. Tankcar prices posted at 6.6c. 6.8c. and 7.25c. respectively.

For Late Market Developments, See Page 4

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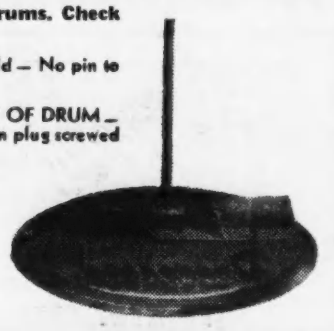

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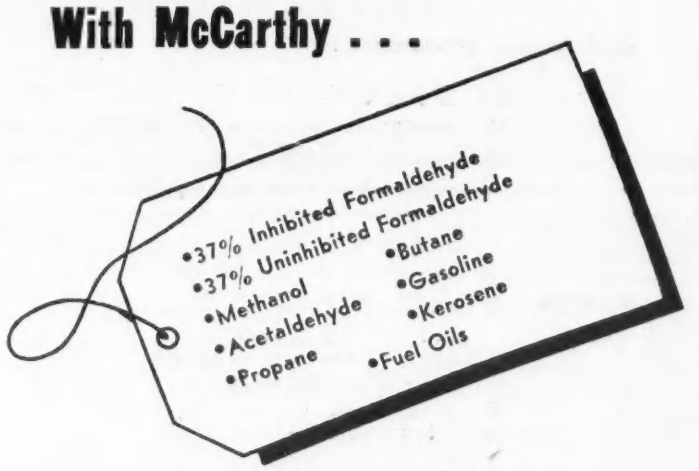

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Oils, Fats and Waxes

Further price advances featured the fats and oils market last week. Buying interest was centered in nearby delivery and with offerings scarce light sales took place at higher levels. Price index advanced to 123.4 compared with 119.8, the week previous and 206.5 for this time last year.

In the edible group peanut oil was lifted, 1 cent per pound; coconut, one-half cent and corn, three-quarter cent. The advance of one-half cent in cottonseed and soybean oils were not sustained owing to the withdrawal of demand for old and new crop oil late in the period.

Tallow and grease continued firm and were lifted one-quarter cent. Consuming inquiry was active. Soapmakers purchased moderate quantities. At the advance, and specialty buyers paid premiums of one-half cent per pound. Export business was limited though inquiry was active.

Higher cost of basic oils lifted red oil and stearic acid one cent per pound. Vegetable fatty acids also were increased one cent except coconut which was boosted two cents. Grease and tallow oils were increased another half cent.

Drying oils also were firmer and higher. Tung oil offers were scarcer and quotations were lifted three-quarter cent per pound. Inquiry was active for nearby delivery. This was reflected in oiticica oil and prompt delivery was raised about one cent per pound. Sales of crude menhaden and sardine oils took place at an increase of one-half cent, and refined oil was raised likewise.

Cottonseed Oil

Higher prices for bleachable cottonseed futures registered early in the week were not sustained as reaction set in as a result of reduced buying for nearby oil and weakness in crude cottonseed oil and western markets. The active demand for old crop crude advanced the price ½c. per pound, which was lost when inquiry dried up both for old and new crop oil. Trading was active in the September option and it was stronger than deferred positions.

Old crop crude was in active request and sales were made up to 15c. and 15¼c. per pound, tankcars, f.o.b. mills Southeast and Valley and 14¾c., Texas for August shipment. Late in the week consuming inquiry dwindled and crude was sold at 14¼c. in Texas and at 14½c. in the Southeast and Valley. September was held at 13¾c. Valley. Shortening in bulk was advanced one cent per pound. Standard was quoted at 20c. and hydrogenated 21¾c. per pound drums.

CCC will support the price of 1949 crop cottonseed at 90 percent of August 1 parity price of $55 per ton, it was announced by the Production and Marketing Administration, Department of Agriculture. Loans will be made at the rate of $49.50 per ton on clean, safely stored cottonseed having a moisture content of 10 percent or less.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended August 12, follow:—

	Sales	Cents per pound High	Low	Close
September	443	16.20	15.20	15.30S
October	268	15.00	13.90	14.02—14.15S
December	258	14.20	13.20	13.25@13.28
January	...	....	....	13.25@13.40
March	109	14.20	13.20	13.22@13.30
May	1	13.85	13.85	13.15@13.30
July	29	13.99	13.00	13.05@13.20

Total sales: 1,108 tankcars, including switches.

Memphis.—Crude cottonseed oil sold at 14½c. per pound, tankcars, f.o.b. mills and 13¾c. September, Valley basis. Sales of crude soybean oil took place at 12c. tankcars August, 11½c. September and 11c., October. Cottonseed meal continued in good demand. Meal 41 percent quoted at $59 per ton, Memphis, prompt shipment, $65, September and $62, October. Some inquiry for meal and coke for export.

Linseed Oil

Trading in raw linseed oil was active for September-December delivery at 17.3c. per pound, tankcars, New York basis last week. The price for spot oil was reduced to 19.60c. per pound, tankcars, effective August 15 and for the balance of the month. Future deliveries were steady and commanded most interest, while demand for spot oil was slow. Offers of tung oil dried up and prices were boosted ¾c. to 22½c. to 23c. per pound, tankcars, New York. Oiticica also was raised about 1c. per pound.

Minneapolis.—While the big buying rush for large volume of oil appeared to be over there was a fair to good request for sizable lots and an urgent demand for spot delivery. Crushers were swamped with shipping instructions and buyers were anxiously urging immediate shipment of old and new contracts. Most of the mills fell behind on shipping orders the first week in August and some are pressing old equipment into use to catch up on back orders. Prices held fairly steady at 21c. per pound, tanks, zone 1, first half of August shipment and 19c. for last half. September oil quoted at 17c. and September-December as low as 16.6c. per pound. Production at Minneapolis was picking up, though some mills were closed for vacation, and it is expected that as soon as seed starts coming in larger volume that all plants will be humming to supply the demand received in the past forthnight.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	8,400,000	6,120,000
Since Sept. 1	319,458,000	362,584,000

Flaxseed—Trading was reported light. Prices were steady. Seed receipts were heavier, and unsold seed was in larger supply.

Flaxseed crop as of August 1 was estimated at 41,924,000 bushels, compared with 45,558,000 last month and 52,533,000 bushels produced last year. The ten-year average is 30,102,000 bushels.

Minneapolis.—Demand for cash flaxseed was only fair in the Minneapolis market, crushers paying, $3.80 per bushel for spot and to arrive offerings. An adjustment in price is expected by some, who point out that crushers cannot go on indefinitely paying $3.80 for seed and selling oil for 16.6c. per pound (zone 1) and expecting only $56 to $59 per ton for meal. Quality of the first run of flaxseed was only fair, many cars showing only 18 pounds of oil per bushel. Farmers are reluctant to let go of flaxseed, despite its poor oil content, for less than $3.80 per bushel. They figure, at least in many cases, that they can build storage and put seed under loan for the $3.99 price and make money on the deal if it drops below $3.80. Crop advices were fairly optimistic from the Upper Midwest, flax making good progress toward a fine harvest despite the heat wave of the past week. Supplies in the Minneapolis market continued heavy, an average day's run 65 to 70 cars. A good portion of the seed was applied on previous sales but more and more free flax was appearing on sellers' tables. Some buyers refuse to buy seed from certain areas and it appears as if this season's market will be on a quality basis.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1948-49	Receipts 1947-48	Shipments 1948-49	Shipments 1947-48
This week	1,485,800	829,600	40,800	40,800
Since Sept. 1	30,477,800	23,585,400	5,933,000	4,035,000

Other Vegetable Oils

Castor Dehydrated — Business was reported fair, mainly for prompt delivery. Quotations were maintained at current levels.

Coconut — Scarcity of oil for prompt shipment stiffened this market. Sales of crude took place at 15½c. per pound, tankcars, f.o.b. Pacific coast, August shipment, with 16c. asked. September was sold at 14c., same basis. October was quoted at 13½c. Imports of Philippine coconut oil totaled 55,982,918 pounds from January 1 to July 30, 1949, according to the Census Bureau.

Copra—Offers for shipment were light and the market remained steady. Sales were reported at $170 per short ton, c.i.f. Pacific coast.

Corn—Supplies of crude were tight and in good inquiry. Crude oil was reported sold at 14c. and 14½c. per pound, tankcars, f.o.b. mill for August shipment, an advance of ¾c. for the week. Refined oil

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Coconut oil, ½c. per lb.
fatty acid, 2c. per lb.
Corn oil, ¾c. per lb.
Cottonseed fatty acid, 1c. per lb.
Fish oil, crude, ½c. per lb.
ref., ½c. per lb.
Grease, ¼c. per lb.
oil, ½c. per lb.
Oiticica oil, 1c. per lb.
Peanut oil, 1c. per lb.
Red oil, 1c. per lb.
Soybean oil, ref. alkali, 1½c. per lb.
clarified, 1½c. per lb.
fatty acid, 1c. per lb.
Tallow, ¼c. per lb.
fatty acid, 1c. per lb.
Tung oil, ¾c. per lb.

Prices Reduced

None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
123.4	119.8	112.0	206.5

(*For Current Prices see Page 9*)

was higher and nominal at 17¼c., same basis.

Oiticica — This oil was stronger with tung and limited spot stocks were lifted about 1c. per pound. Liquid was quoted at 18.1c. per pound, tankcars and 19½c. to 19¾c., drums, prompt delivery as to quantity.

Olive—Demand was reported confined to small lots for immediate needs. Spanish oil was unchanged at $3.50 to $3.60 per gallon, drums, duty paid on spot and Moroccan, $3.40 to $3.50.

Palm—Market remained steady. Tankcars were quoted at 12.10c. per pound and 13½c., New York, for prompt delivery.

Peanut—Offerings for spot and prompt delivery were scarce and the market continued strong. Crude oil was nominal at 18c. per pound, tankcars, f.o.b. mill, August shipment and 16½c. to 17c. for September. Offers of new crop oil also were light. Refined oil was quoted at 21½c. per pound, tankcars, New York delivery.

Rapeseed — Refined oil was offered at 19c. per pound, tankcars, New York, for prompt delivery. Demand was reported inactive.

Soybean—Inquiry continued fairly active. Market became easier and lost gains of ½c. Crude oil was sold at 12½c. and 12c. per pound, tankcars, fo..b. mills, August shipment and September was quoted at 11½c. and October-December 11c., same basis. Refined edible oil was lifted to 15c. per pound, tankcars, New York delivery. Refined alkali was advanced 1½c. to 14.95c. per pound, and clarified to 13.95c. per pound, tankcars, New York basis.

Tung—As a result of further withdrawal of offerings and active inquiry, the market was advanced to 22½c. to 23c. per pound, tankcars, prompt and September delivery, up ¾c. for the week. Prices were more or less nominal. Drums were sold at 24c. per pound, car lots and smaller lots were held at 24½c. for spot delivery. Imports totaled 129 tons at New York from Hong Kong last week. Offers of oil from the Argentine have slackened as available oil for shipment has been sharply reduced.

Los Angeles. — Cottonseed and soybean oils held the attention of the local market for the past week. Supplies remain good for all oils with the exception of coconut which is scarce. Tankcar prices, f.o.b. Los Angeles, follow:— Castor, No. 1, 18.75c. per pound; No. 3, 17.5c. per pound; corn, refined, 16.5c. per pound, f.o.b.; coconut, crude, 15½c. per pound; cottonseed, crude, 16c. per pound; refined, 17.25c. to 17.5c. per pound; peanut, crude, 17.75c. per pound; refined, 21.5c. per pound; soybean, crude, 13.7c. to 14c. per pound; tung, 21.5c. to 22c. per pound.

Fats and Greases

Grease—Market was firmer and all grades were raised ¼c. Inquiry was active for domestic and export. Trading was reported moderate at the advance. Offerings were well held at higher levels. Choice white quoted 6¼c. loose delivered yellow , 5c. and house 4¾c.

Lard—Trading was reported moderate and the market remained on a steady basis throughout the week. Prices were unchanged for cash lard at 13c. per pound, tierces, Chicago. The Army requested offers for 3,000,000 pounds ofprime steam or refined lard in tierces and drums for export.

Lard output this year is expected to be between 2,800,000,000 and 2,900,000,000 pounds, the second largest production of record, according to the Department of Agriculture. Production last year was 2,500,000,000 pounds. Fats and oils exports will be large in 1949-50, mostly because of Economic Cooperation Administration's financing. Prices will stay low, the department said, unless demand increases. With the 1949 pig crop expected to total about 96,000,000, production of lard and grease probably will increase materially in 1949-50, the department stated.

Tallow—Offerings were light and prices were lifted ¼c. for all grades. Soapmakers bought moderate quantities of fancy at 6¾c. loose, delivered, extra at 6½c. and special 6c., same basis. Specialty and small lot buyers purchased fancy and other grades, at premiums of ½c. to ¾c. per pound. Export inquiry was active, but business was slow as exporters refused to pay higher asked prices.

Animal Oils

Degras — Arrivals of crude degras totaled 443 drums at New York last week.

—*Continued on page 82*

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Freon and Ammonia Refrig. & Air Cond. Systems.

New Jersey Pony Labelrite Model 86MLX.

Miscellaneous Pumps, Sterilizers, etc.

Procter & Schwartz 8' x 78' Apron Dryer.

Lancaster Muller Type Mixer Model EBG4

Stainless Steel Vertical Calcining Furnace.

De-airing Brick Extruder and Cutter.

Kilns, Superheaters, Blowers, Conveyors.

Porter Stainless Steel Conical Blenders

Heavy Duty Jacketed Do Mixers up to 100 gals.

Jacketed and Agitated Copper Stills 60" x 70".

12 Abbee and Paterson Ball and Pebble Mills, all sizes.

Jumbo Extrusion Press, reciprocating Type.

Stainless Screw Conveyor, Bucket Elevators, Barometric Condenser, Kettles.

Devine Jacketed Rotary Vac. Dryer 4' x 12'.

Porter Double Ribbon Dry Mixers 370 Cu. ft.

Sperry 42" Aluminum Pl. & Fr. Filter Presses.

5,000 Gal. Stainless Steel Vert. Tanks 5'6" x 10'. Other sizes available.

Colton Rotary Tablet Machines No. 9-18.

Lightn'n Mixers 3 HP. XPL motors.

8 Vertical and Hor. Pressure Tanks up to 8,500 gal.

7 A. T. & M. 60" Stainless Centrifugals-vac. covers.

2 A. T. & M. 26" Stainless Centrifugals with plow.

Procter & Schwartz 102' Dryer or Ager.

Horix Stainless Steel Rotary Fillers.

Resina Automatic Capper with motor, etc.

Elgin Rotary Friction Top Can Closer.

Standard Knapp No. 429-435 Case Sealers.

Can Casers, Pumps, Storage Tanks, Hoists.

15 High Pressure Autoclaves, Jktd. Agitated from Lab Size to 6' x 21' with motors.

2 Glass Lined Jacketed Kettles, 50-100 gal.

1 2500 Gal. Glass Lined Vac. Pan with S.S. Coil.

1 500 Gal. Glass Lined Vac. Pan with S.S. Agit.

1 S.S. Agit. Resin Kettle 8' x 7' complete.

AUGUST SPECIAL

Fitzpatrick Model 'D' Comminuting Machine with S.S. contact parts; P.D. only $400.

Send for Latest Bulletin Just Out

FIRST MACHINERY CORP.
157 Hudson Street,
New York 13, N. Y.

"BUY BRILL"

Buy the BEST

1—Tolhurst 40" Suspended Monel Perforated Basket Centrifugal m.d.
1—Tolhurst 40" center slung, stainless steel perforated m.d. Centrifugal.
1—Bird 18"x28" Centrifugal Filter, monel metal.
1—Elmco 4'x6' stainless steel Continuous Rotary Vacuum Filter.
2—Sharples #16V, S.S. Centrifuges.
1—#5 Stainless Clad Sweetland Filter.
3—#2, #7 Sweetland Filters.
1—Elmco S.S. 4'x6' Rotary Vacuum Filter.
2—1,000, 500 gal. glass-lined, jacketed, agitated Reaction Kettles.
3—Pfaudler 300 gal. glass-lined Tanks.
25—S.S. Kettles, Tanks, 50 to 500 gal.
4—Dopp 250, 150 gal. jacketed Kettles.
12—Ross Engineering 2-Truck Atmospheric Steam Heated Dryers, 500 sq. ft. each.
5—Abbe 6'x8', 5'x4', 4'x3' porcelain-lined Pebble Mills, motor driven.
1—Patterson 3'x4' Steel Ball Mill.
3—18H, 2TH, 2DH Mikro Pulverizers.
1—Jeffrey 30"x24" Type A Hammer Mill.
1—Jay Bee 2UX Hammer Mill, 50 HP.
10—Rotex, Ro-Ball Screeners 20"x48", 40"x56", 40"x84", 50"x81", 40"x120", single and multiple.
2—Vacuum Shelf Dryers with 5—42"x42" and 13—50"x78" shelves.
1—Baker Perkins 100 gal. Jacketed Mixer.
1—Baker Perkins 4½ gal. Vacuum Mixer.
3—Baker Perkins Lab. 1 and 2 gal. S.S. Double Arm Jacketed Mixers.
5—Shriver, Sperry 30", 24", 12" cast iron plate and frame Filter Presses.
3—Sperry 30", 24" cast Iron Recessed Filter Presses, 38 chambers.
5—Sperry 42" and 30" wood plate and frame Filter Presses.
16—Powder Mixers, 100 to 4,000 lbs.
8—Day 100 and 80 gal. Lead Mixers.

COMPLETE LISTINGS — QUOTATIONS SENT ON REQUEST

BRILL EQUIPMENT COMPANY
2401-THIRD AVE.
NEW YORK 51, N. Y.
TELEPHONE CYPRESS 2-5703

Pebble Mills — 18x27", 36x30", 54x60", 72x60", 3'x3' Hardinge Ball Mill
2 Amer. Exhausters, size 400E No. 60 Clarage.
3 & 10 HP Speed Reducers.
1 Spencer Turbo Blower 400 CFM, 14 oz.
54"x30' Rotary Dryer, 54"x25' Louisville
Abbe #8 Midget Sifter.
8 cu. ft. Dry Powder Mixer.
2 W & P Mixers, 100 gal.
Steam Pumps.
Speed Reducers.
6" Premier Colloid Mill never uncrated.

Send for Stock List

LAWLER COMPANY
Durham Ave. & L.V.R.R. Metuchen, N. J.

FOR SALE

PROCESSING EQUIPMENT

1—Glascote 75 gal. Jktd. & agit. Glass Lined Kettle.
3—Mikro Pulverizers, #4, #1, Bantam.
2—Abbe Pebble Mills, 6' x 8'.
1—Allis Chalmers Continuous Ball Mill, steel liner, 8' x 7', 250 HP motor.
2—Shriver 24" Cast Iron P&F Filter Presses, open dely, 54 chambers.
1—Swenson Precoat Rotary Vacuum Filter, 8' x 8', acid proof, lead & rub.
1—Sweetland No. 10 Filter, C.I. Body, bronze leaves, 500 sq. ft.
1—Dopp 500 gal. cast iron jacketed and agitated Kettle.
20—Stainless and Stainless Clad Kettles, 20 to 500 gal., 40#, 100# jkt. pr.
40—Stainless Steel open top Tanks, 30 gal. to 500 gal., with some side mixers.
90—Horiz Welded steel tanks, mammut lined, 3,300, 6,600 & 7,000 gal.
7—Lead & Paste Mixers, 80 gal.
2—Ross 3-Roll Mills, 16 x 40.
4—Double Arm Jktd. Mixers; B-P 15 gal. vac.; Day 25 gal.; W&P 100 gal.; Read 250 gal.

PACKAGING EQUIPMENT

2—Automatic Vacuum Fillers, 12 spout, stainless steel, pts. & qts.
4—Semi-Auto. Vacuum Fillers, 8 spout, stainless, bronze, pts. & qts.
3—Syphon Fillers, 8 spout, stainless, bronze, pts. & qts.
3—Semi-Auto, Powder Fillers, auger type.
2—Automatic Powder Fillers, auger type.
AUTOMATIC LINE FOR FILLING POWDER INTO CARTONS—60 per min.
3—Resina Automatic Cappers, 28 & 70 mm.
3—CC&S Jumbo 7-head Auto. Crowners.
7—Portable Cap Tighteners, Elec. op.
5—Bottle Rinsers, 60 & 72 spout.
3—Ermold Auto. 6-wide Labelers.
1—Auto. Rotary Duplex Labeler.
6—Auto. Rotary Simplex Labelers.
4—Auto. Wrap Around Labelers.
6—Semi Auto. Spot Labelers.
1—Standard Knapp Top & Bottom Case Gluer and compression unit.
3—Acme Elec. op. Case Stitchers.

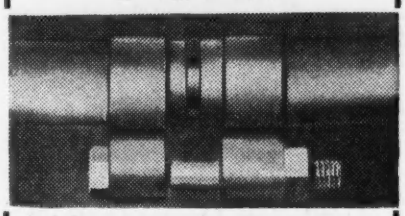
WRITE FOR COMPLETE STOCK LIST
WE BUY SURPLUS EQUIPMENT & COMPLETE PLANTS

PERRY EQUIPMENT CORP.
1507 W. THOMPSON STREET • PHILA. 21, PA.

New Jersey Standard Ends Middle East Crude Oil Imports

Standard Oil Company (New Jersey) has announced the end of its contract for Middle East crude oil importations into the United States. The last shipment, cleared through United States customs in New York on August 3, discharged about 110,000 barrels of Kuwait crude oil purchased from the Anglo-Iranian Oil Company. This cargo completes the contract made early last year when crude oil production world-wide was somewhat short of demand.

Close Full Removable Head Drums the Modern Way—Use DRUM PARTS SYSTEM



New, Simple Method Saves Time — Lowers Costs!

Study the illustration above and you will instantly notice the exceptional neatness and simplicity of the closure.

This closure—made with a "Spin-Seal" Bolted Locking Ring—is different from the common locking ring. It is improved by having the nut enclosed as an integral part of the lug. The nut can't get lost and it saves much time in making closures.

Used with DRUM PARTS Combination Closing Tool and Wrench your drums can be closed and sealed in a small fraction of the time required with other types of rings.

Write for complete details and specifications on DRUM PARTS SYSTEM.

DRUM PARTS, INC.
10311 MEECH AVE CLEVELAND OHIO

IN STOCK • PRICES CUT

6—Anderson No. 1 Expellers.
2—Dopp 1,000 gal. Jack. Agit. Kettles, Dopploy Acid Resistant & Iron.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24".
1—Denver 4'x3' Rotary Vac. Filter, Motor Driven, complete.
4—Allbright-Nell 4'x3' Atmos. Drum Dryers & Flakers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Devine Vac. Shelf Dryer, 7 shelves.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century "Giant" 2 HP. 4 speed Vert. Mixer.
4—Abbe Pebble Mills, 8'x8', 60"x48".
8—Abbe Jar Mills, Lab. to 2 gal. sizes.
1—U. S. Stainless Colloid Mill, 5 HP.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
2—Sperry 18" Lead Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
2—Shriver 18" Wood Filter Presses.
6—Tyler 38 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screen.
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
6—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ⅜" to 1¼".
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
1—Huber 25 ton Para Block Press.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 300 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers, Sifters.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 3"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Samco Jr. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
6—Filling, Labeling, Cartoning & Wrapping Machines. Colton Tube Fillers.
15—Port. Elec. Mixers, ¼-2 HP.
3—Rotary Cutters, 5 & 40 HP.
3—Hammer Mills, 3 to 50 HP.
1—Stedman 32" Single Roll Crusher.
6—Centrifugals, 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
6—Lead & Pasta Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
2—DeLaval Mult. Clarifiers, 300 & 301.
Soap Machinery for Toilet, Laundry, etc.

WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY.

STEIN EQUIP'T CO.
90 WEST STREET, NEW YORK 6, N. Y.

"Consolidated" REDUCES PRICES ON THESE MACHINES Immediate Delivery

1—6' x 4' Oliver ALL STAINLESS STEEL Top Feed Rotary Continuous Vacuum Filter. Unused—Never Installed. Intended to filter ammonium sulphate.
1—Double shell direct fired ROTARY DRYER, inner shell 5'6" dia. x 59' long, outer shell 10' dia. x 40'6" long, complete with motor drive, oil burning equipment, instruments and accessories.
1—LOUISVILLE ROTARY STEAM TUBE DRYER, 6' x 50'.
1—ROTARY VACUUM DRYER, 5' x 33'.
3—7500 gal. STEEL KETTLES, with copper coils, closed. Agitated. 10' dia. x 12'6" deep, 15' overall height.
1—2000 gal. STEEL KETTLE, jack., open top, agit., 7' dia. x 7'6" deep.
2—BAKER PERKINS MIXERS, size 17. Jacketed, 200 gallon.
1—VACUUM SHELF DRYER, 17 shelves, 40" x 43".
1—KILBY 39" x 39" cast iron FILTER PRESS, washing type, plate and frame, 47 chambers.
3—36" x 36" SPERRY 60-plate FILTER PRESSES, cast iron, recessed, center feed, open delivery, hydraulic closing, hydraulic pumps.
2—No. 12 Sweetland Pressure Filters, 36 leaves on 4", also 72 on 2".
1—8' x 12' Oliver Acid-Proof Filter, lead fitted.
1—8' x 125' Reeves Rotary Kiln.
1—2' x 15' Rotary Kiln, experimental, complete.
2—6' x 12' Allis Chalmers Rod Mills.
1—No. 4-TH Mikro Pulverizer. Rebuilt—available for immediate shipment.
2—200 gal. Patterson Pebble Mills, Burrstone-lined, with drives and motor.
1—300 gal. Patterson High Chrome Manganese Ball Mill, jacketed with drive and motor.

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WANTED—YOUR IDLE MACHINES—SEND LIST NOW
WE BUY AND SELL—FROM SINGLE ITEMS TO COMPLETE PLANTS

Staley Modernization Progressing

The first phase of an $11,500,000 modernization program at the Decatur, Ill., plant of the A. E. Staley Manufacturing Company has been completed, and work is continuing on the renovation of the plant's processing equipment. The end of the first phase was reached with the completion of three new buildings and an expansion of the power house. The new buildings consist of a three-story shop and service building, a four-story feed packing house, and a first aid and hospital building.

Socony-Vacuum Assigns Dunham

Socony-Vacuum Oil Company, New York, has appointed George S. Dunham vice-chairman of its manufacturing committee, to succeed Douglas L. Hooker, who has retired. Mr. Dunham will supervise operations of the company's eastern and midwest refineries and pipelines.

14 OFFERINGS
AT NEW LOW PRICES!

1—New Pfaudler Stainless Steel Jacketed Agitated Reactor, 150 gals.
1—New Glasscote 1,000 gal. Jacketed Agitated Glass Lined Reactor.
1—New Pfaudler Glass Lined Reactor, 500 gals.
1—Code Welded Type 316 Stainless Steel Jack. Reactor, 1,000 gals. with Agitator and Exp. Pf. Motor.
1—Stainless Steel 2,500 gal. Vertical Tank with Agitator.
1—Fowler Stainless Steel 9 Stem Rotary gal. Filler.
1—Sperry 24" Cast Iron Filter Press, 20 Ch., C.D.
1—Sperry 42" Wood Plate & Frame Filter Press, Hyd. Closure, 57 ch., 1¾" cake.
1—Shriver 12" Lead Plate & Frame Filter Press, 14 Ch., 1" Cake, Cl Dely.
1—Stokes 30"x8' Rotary Vacuum Dryer.
2—Fitzmills Model "D" Stainless Steel, 5 H.P. 3 Ph. Exp. Pf. Motors.
18—New 100 gal. Stainless Steel Clad Jack. Kettles.
2—Stainless Steel Tanks, 11,000 gals.
6—Stainless Steel Centrifugal Pumps, 1-5 H.P., 25 to 300 g.p.m.

Send for Bulletin A-22 for Complete Listings

The Machinery and Equipment Corp.
533 West Broadway
New York 12, N. Y. GRamercy 5-6680

PROCESS EQUIPMENT FOR SALE
Inventory Reduction
AGITATOR DRIVES
AIR COMPRESSORS
AUTO CLAVES
BLOWERS
CENTRIFUGALS
CONDENSERS
FILTER PRESSES
KETTLES
MILLS
MIXERS
PUMPS
TANKS
Ask For Stock Sheet "H"
EMSCO EQUIPMENT COMPANY
Affiliate of EMIL A. SCHROTH
73 Hyatt Avenue, Newark 5, N. J.
Phone: Mitchell 2-3536

FOR SALE
Steel Storage Tanks
6 – 8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.
13 – 10,000 gallon, Coiled TANK CAR TANKS.
Available at Once!
COMPLETE TANK CARS
IRON & STEEL PRODUCTS, INC.
13454 S. Brainard Ave., Chicago 33, Ill.
"ANYTHING containing IRON or STEEL"

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Tolhurst rubber lined suspended type centrifuge 40" perforated basket.
1—Bird Suspended Stainless Steel Centrifuge, 40" perforated basket.
1—42" Shriver Filter Press, with hydraulic closing, 46 chambers.
1—S.S. Direct Fired Still, with agitator and coils, approx. 6' dia. x 6' high.
1—Nickel lined Jacketed Kettle, 4,000 gallons.
1—Vallez #3 Filter.
1—Podbielniak Stainless Steel Extractor with motor.
1—Sharples Pressurite Super Centrifuge, Stainless Steel Bowl.
1—Fuller Air Compressor, C-300.

Cable Address: GELBCO
R. GELB & SONS, INC.
Est. 1886 UNION, N. J. UNionville 2-4900

FOR SALE
2—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
2—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.
Specializing in Rebuilt Machinery
IRVING BARCAN COMPANY
249 Orient Ave., Jersey City 5, N. J.
DElaware 2-6095

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For Quicker Action and Better Price Send Full Details and YOUR Price to
EQUIPMENT FINDERS BUREAU
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NEW AND GOOD-AS-NEW EQUIPMENT
Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
20—Steam Jacketed Kettles, Stainless Steel & Aluminum, 30 to 250 gals.
50—Pumps (Steam and Electric), used & new.
New and used high pressure Steam Boilers, 2 H.P. to 250 H.P.
1—Stedman 40" Cage Disintegrator.
1—Buffovak Impregnating Tank, 42" x 52", steam jacketed.
2—Flow-Master Kom-bi-nators.
2—New Ribbon Type Mixers, 8 & 24 cu. ft.
2—Ribbon Type Mixers, steam jacketed.
4—Steel Tanks, 100,000 gals. each.
9—Steel Tanks, 67,500 gals. each.
1—500 gal. Vert. Glass-Lined Tank, closed top, on stand.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
1—Sweetland Filter, No. 5, 15 leaves.
1—Sperry Filter, 18 x 18—24 plate.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.
SPECIAL 1—Patterson Pebble Mill, 36" diam. x 42", silex lined—like new.
2—Ransome Rotary Agitators, 9' dia. x 11'6". New.
H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

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SUGAR INVERSION PLANT—
Ion Exchange Unit - late type - print available. — Swenson triple effect evaporator, cast steel, glvnzd. tubes, steam vac. pump. — Hastalloy converter 5' x 7', 1,000 gals.

HARTFORD COUNTY DISTILLERY—
Louisville 5' x 25' & 6' x 30' dryers, complete with motors and reducers. — Fuller airveyor system, complete operation, 500 bu/hr. — American double drum dryer, 3 x 7 rolls, 7 1/2 H. P. motor and 2 H. P. blower, complete. Corcoran Copper Beer Still, 54" x 22" plate, 500 GPH. — Swenson triple effect evaporator, 60,000 GPD. — Prints available. — Twelve Fermentors 22,000 gals. each.

COMPLETE PLASTIC PLANT—
1,000 and 2,000 lb. ribbon mixers. — 36" and 42" roller mills. — 5,000 lb. Sturdevant blender.

MODERN CHEMICAL PLANT—
2 - Pfaudler 750 and 500 gal. reactors, jack. & agitated. — 6 - Pfaudler chlorinators, jacketed and agitated 500 to 750 gals. — 1 - NEW 2,000 gal. Glascote jacketed and agitated kettle. — 1 - 500 gal. white enameled tank.

SEND FOR DETAILED BULLETINS ON ALL OF THE ABOVE.

CHEMICAL & PROCESS MACHINERY CORPORATION
146 GRAND ST. WOrth 4-8130 **NEW YORK 13**

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RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication

AGENCIES OFFERED

Wanted, manufacturer's representative for high grade, non-inflammable, wax-free paint and varnish remover. Must have paint and hardware jobber contacts. Entire Atlantic Seaboard available. Reply fully, stating desired territory. OPD 704.

AGENCIES WANTED

Japanese territory representation wanted in chemicals and minerals by American agent residing in Japan. Suppliers and exporters send proposals or write for details. Importers also please contact. Alvin Melnick, Yomiurikaikan, Yurakucho, Tokyo, Japan. Cable: AIMELNICO, Tokyo.

Wanted: Fast selling lines of specialties and sundries. We are well equipped for detailing, distributing and merchandising. OPD 697.

CAPITAL OFFERED

Organic Chemist: Industrial experience, sales, production, research; cooperative; ambitious. Will invest substantial capital and full time services in an established chemical, pharmaceutical or chemical specialty concern. New York City or suburbs preferred. Replies treated confidentially. OPD 707.

EQUIPMENT OFFERED

Stokes high vacuum pumps — 212C, water-cooled, 100 cu. ft.; V-Drive; used 3 months; Satisfaction guaranteed. Price, $349 each. Inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

One 8" Premier colloid mill with starter stainless steel carborundum construction with 20 H.P. Howell motor, 220/440 volts, 60 cycle, 3 phase, practically new; attractive price. OPD 705.

EQUIPMENT WANTED

Laboratory roller mill—state condition, make, age, price. OPD 706.

EQUIPMENT WANTED

Equipment Wanted: Stainless steel tank, flat bottom, new or second-hand, stainless steel coil inside, 1,000 gallon capacity, agitator, covered top preferable with motor attached. Send complete details and price to OPD 691.

FACILITIES OFFERED

Collapsible tubes, jars and cans filled—Contract work on pharmaceutical and cosmetic ointments, lubricants, adhesives, lacquers, caulking compounds, colors in oil and allied material. Manufacturing facilities on small and large runs. Inquiries invited. Military Packaging Service, 311 Woods Ave., Oceanside, Long Island, N. Y.

Chemical manufacturing facilities; blending, mixing, crushing and grinding to any fineness; any quantity; competent laboratory control. OPD 709.

Facilities offered for mixing dry chemicals carload and less carload. Also grinding, pulverizing, drying screening and packing done. Experienced capable personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 688.

MATERIALS OFFERED

Sodium chromate, C.P., sodium bisulphate, purified and granulated. Dessicant, two pounds, hermetically sealed cans. Very attractive price, large quantities, packed for export. H. L. Boggess, Liberty, Missouri.

MATERIALS WANTED

To manufacturers and jobbers. Are you overstocked? We require immediately, large or small lots many items chemicals, pharmaceuticals, solvents, aromatics, waxes; other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 689.

Wanted: Crude coal tar and water gas tar in quantities. We have facilities for immediate removal. R. R. tank cars, tank trucks, storage tanks. P. S. Kramer, tar refiner, 7 Smith St., Paterson 1, N. J.

PLANTS WANTED

Wanted to lease or purchase: Plant suitable for chemical manufacturing, with or without equipment; require about 3,000 to 5,000 sq. ft., on approx. 1 acre with railroad siding. OPD 692.

Wanted small plant equipped with facilities for handling ethylene oxide and its compensation reactions; or will consider contracting for such work on a tonnage basis with established chemical manufacturer. OPD 693.

Wanted—Complete plants also machinery—large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Technical sales correspondent: Progressive Midwestern corporation engaged in the production of basic industrial chemicals is interested in obtaining the services of a capable, technical sales correspondent. Knowledge of petroleum chemistry desirable; diversified experience with resins, solvents, etc., necessary; ability to write clear and concise letters essential. Position offers excellent opportunity and attractive salary. Provide outline of education and experience in first letter. OPD 703.

Development Chemist—Excellent opportunity in progressive development laboratory for man with outstanding product development record in paint or related industry who has specialized in drying oil-pigment systems. Please fully outline your qualifications and experience in letter to: W. J. Clayton, Minnesota Mining & Mfg. Co., 411 Piquette Ave., Detroit 2, Mich. Applications will be held in strictest confidence.

POSITIONS WANTED

Industrial Chemist. M.A., '43. Desires research, development or production. Experience covers food products, fats, gluten derivatives, protein separation and by-products utilization; patents. Capable of taking charge of laboratory and manufacturing. OPD 701.

Over fifteen years experience in chemical and dyestuff industry available in return for reasonable living salary. Divisional manager background covering organization, production purchasing and sales. Willing to travel. OPD 702.

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For Blending, Mixing or Processing of liquids and pastes. Also Emulsification Filling, Labeling, Packing and Delivery. All work is carried out at our well equipped laboratories under expert supervision. Address inquiries to Box 708, Oil, Paint & Drug Reporter.

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FOR LEASE

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Oils, Fats and Waxes

—Continued from page 79

Market remained steady. Stocks were light.

Grease Oils—Higher cost of pressing stock caused all grades to advance ½c. per pound. Business was reported spotty. No. 1 was quoted at 10¾c. to 11¼c. per pound, drums, as to quantity; extra winter strained, 11¾c. to 12¼c. and prime burning, 12¾c. to 13¼c., same basis.

Oleo Oil—Market continued steady. Extra was quoted at 13c. per pound, tierces, New York delivery.

Oleo Stearine—Business was reported slow. Market was unchanged at 10c. per pound, barrels, New York.

Fish Oils

Cod—Trading was fairly active for prompt delivery. Sales of tanked Newfoundland oil was reported at 9¼c. per pound, drums, carlots, New York delivery for prompt shipment, Market was firmer and offers for shipment were raised to 9½c.

Crude Fish—Prices were higher and sales of crude menhaden were reported at 6c. per pound, loose, f.o.b. works, up ½c. per pound. Trading in crude sardine also was reported at 6¾c. per pound, loose, f.o.b. Pacific coast.

Los Angeles.—A small quantity of sardine oil was reported to have moved at 6¾c. last week. Crude oil supply is scarce. Prices were firm at 6¾c. to 7c. per pound, f.o.b. Pacific Coast.

Refined—The advance in crude was reflected in refined grades and quotations were raised ½c. Light pressed oil was quoted at 9.7c. per pound, tankcars.

Fatty Acids

Recent advances in basic fats and oils were reflected in fatty acids and quotations for coconut fatty acid were lifted 2c. per pound and cottonseed, soybean and tallow, 1c. per pound. Coconut, single distilled was increased to 23¼c. per pound, and double, 25¼c. per pound, drums, carlots; cottonseed, 10¾c.; soybean, 13¼c. and tallow, 10½c., same basis.

Red Oil—Prices were increased 1c. per pound for all grades, due to the higher cost of tallow and grease. Single distilled was quoted at 11¼c. per pound, tankcars, and 12½c. to 13½c. drums; saponified, 11¾c. to 12¾c., per pound, drums, and double, 15c. to 16c. drums and 13¾c., per pound, tankcars. Business was fairly active.

Stearic Acid—This market was firmer and all grades were boosted 1c. per pound. Single pressed was raised to 14c. to 15c. per pound, bags, as to quantity; double pressed, 14½c. to 15½c. and triple, 16¾c. to 17¾c., same basis.

Cake and Meal

Cottonseed Meal—Trading in new crop cottonseed meal was more active in the Southeast and parts of the Mississippi Valley. Interest in new crop meal was better and 41 percent was quoted at $69 to $70 per ton basis South Georgia and South Alabama for late August shipment and 36 percent $5 less. Forty-one percent loose slab cake was held at $64 per ton August, $60 September, basis Valley points. It is still too soon for many mills to operate but expect a good volume of trading to start around September 1st.

Linseed Meal—Steady demand absorbed supplies for spot delivery and prices remained firm. Inquiry for deferred delivery limited.

Minneapolis.—Demand for meal was fair to good with prices in the spot market at $59 to $60 per ton, bulk, carlots, f.o.b. Minneapolis. Crushers were shipping steadily against contracts and spot demand and kept the market clear of surpluses. Demand for deferred shipment meal was only fair and prices ranged down to $55 to $56 per ton, according to amount involved and time of shipment.

Shipments of linseed meal, in pounds, were as follows:—

	1948-49	1947-48
This week	14,880,000	9,480,000
Since Sept. 1	349,200,000	301,060,000

Peanut Meal—Supplies of peanut meal were limited to occasional resale cars and offered at a nominal price of $80 per ton basis South Georgia and South Alabama for 45 percent old process, with new process being quoted approximately $1 less. Releases of peanuts for crushing during the last several weeks have been negligible.

Soybean Meal—Demand continued good with price holding firm. Forty-one percent bulk soybean meal was quoted at $86.50 per ton, Decatur for spot shipment, $85, August and $83 September. New crop quotations indicate $64.50 bulk basis Decatur, October, November, December shipment, with October through September $1 per ton less. Occasional cars of new crop soybean meal were offered at $66 to $67 sacked, October, November, December coupled, basis Valley points.

Waxes

Beeswax—Business was quiet. Crude wax remained steady and this was reflected in refined grades. Quotations were unchanged and well held.

Candelilla—Supplies on the spot were unchanged and steady. Demand was confined to small lots.

Carnauba—Offerings for shipment were closely held and lower bids were refused. Shippers were receiving financial support from the government and asking price shipment were above those prevailing in the local market. Stocks on the spot were unchanged and closely held.

Ouricury—Trading was inactive. Quotations were maintained at former levels.

Shell Oil Opens Houston Wax Plant

Shell Oil Company, New York, has opened a new, highly instrumented plant designed to produce 75,000,000 pounds of paraffin and microcrystalline waxes a year at its Houston, Tex., refinery.

The elaborate instrumentation, consisting mainly of electronic control equipment was installed in order to provide efficient process control and to insure product quality, according to F. S. Clulow, vice-president in charge of marketing. Charging stock for the new plant is crude wax from lubricating oils produced in the adjacent lubricating oil plant, and special storage tanks have been constructed for wax that is to be distributed in bulk.

Soap Makers Deny

—Continued from page 5

mestic fats and oils production, of which "every pound is purchased on the open market . . . in competition with other buyers from hundreds of American suppliers."

He warned the subcommittee that the world faces an acute shortage of fats and oils and added that "prospects are for a continuing deficiency." He said that the world needs at least 6,500,000 pounds of additional production to return to an "admittedly inadequate" prewar average level of production and that still greater production is required to meet the increased usage in exporting regions and to provide importing areas with their prewar consumption.

The amount of the shortage, he emphasized, is equivalent to 60 percent of the greatest domestic production in any single year in the United States, but added that lowered purchasing power on the part of nations where fats and oils are in short supply prevents them from buying our surpluses.

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Continental Oil Appoints Thanhouser General Counsel

Continental Oil Company has named Lloyd F. Thanhouser, New York corporation attorney, its general counsel, effective October 1. He will succeed James J. Cosgrove, general counsel since 1929, who will give his full time as chairman of the board of directors. Burney Braly, former general attorney for Continental, has been named associate general counsel.

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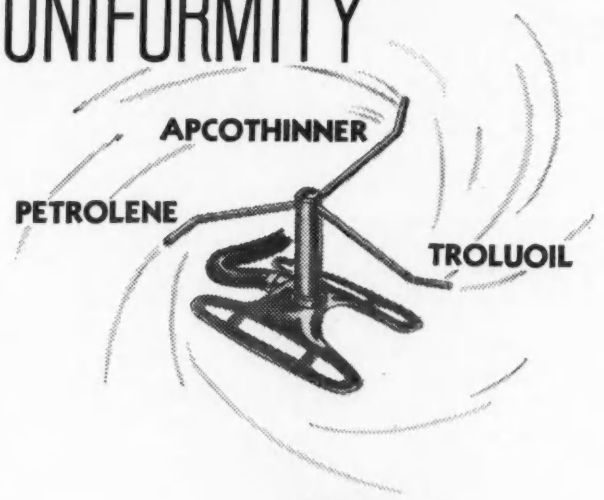

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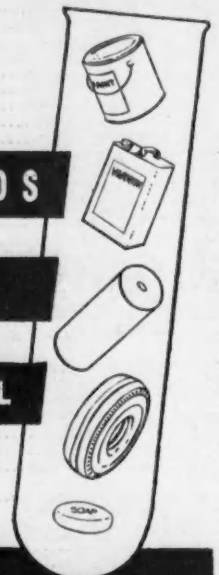

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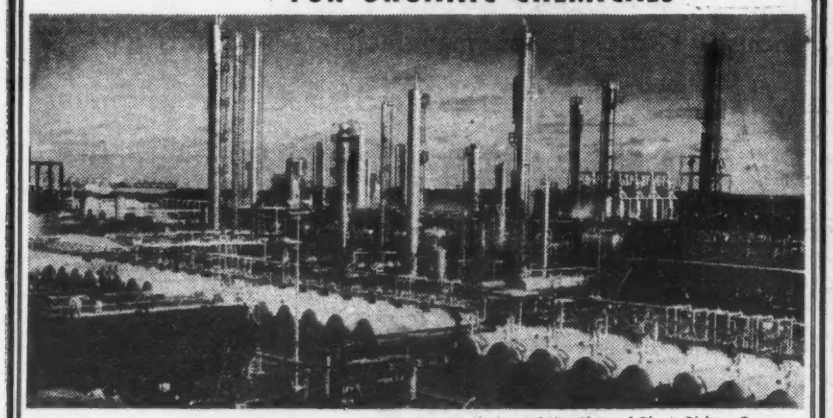

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